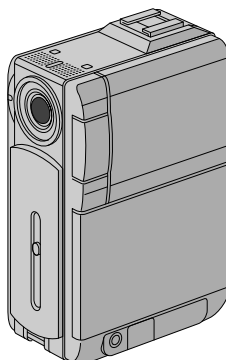


JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVP3A-GY/A-SL/EA/ED/SH



Regarding service information other than these sections, refer to the GR-DVP3EG service manual (No. 86631). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DVP3A-GY/A-GYC/A-SL/EA/ED/SH)*

Camcorder	
For General	
Power supply	: DC 6.3 V $\equiv$ (Using AC Power Adapter/Charger) DC 7.2 V $\equiv$ (Using battery pack)
Power consumption	
LCD monitor off, viewfinder on	: Approx. 4.1 W
LCD monitor on, viewfinder off	: Approx. 5.0 W
Dimensions (W x H x D)	: 43 mm x 115 mm x 80 mm (with the LCD monitor closed and the viewfinder pushed back in)
Weight	: Approx. 340 g (without grip belt, battery and cassette) Approx. 410 g (incl. grip belt, battery and cassette)
Operating temperature	: 0°C to 40°C
Operating humidity	: 35% to 80%
Storage temperature	: -20°C to 50°C
Pickup	: 1/4" CCD
Lens	: F 1.8, f = 3.7 mm to 37 mm, 10:1 power zoom lens (It is not possible to attach any lens filter or conversion lens.)
LCD monitor	: 2" diagonally measured, LCD panel/TFT active matrix system
Viewfinder	: Electronic viewfinder with 0.44" colour LCD
Speaker	: Monaural
For Digital Video Camera	
Format	: DV format (SD mode)
Signal format	: PAL standard
Recording/Playback format	: Video: Digital component recording Audio: PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit)
Cassette	: Mini DV cassette
Tape speed	: SP: 18.8 mm/s LP: 12.5 mm/s
Maximum recording time (using 80 min. cassette)	: SP: 80 min. LP: 120 min.
For Digital Still Camera	
Storage media	: SD Memory Card/MultiMediaCard
Compression system	: Still image : JPEG (compatible) Moving image : MPEG4 (compatible)
File size	: 2 modes (XGA: 1024 x 768 pixels/VGA: 640 x 480 pixels)
Picture quality	: 2 modes (FINE/STANDARD)
Approximate number of storable images (with the provided memory card [8 MB], with Sound Effects pre-stored)	
FINE	: 37 (VGA), 16 (XGA)
STANDARD	: 105 (VGA), 51 (XGA)

For other memory cards, see pg. 17.

For Connectors

AV	
Video output	: 1 V (p-p), 75 Ω , analogue
Audio output	: 300 mV (rms), 1 k Ω , analogue, stereo
DV	
Input/output	: 4-pin, IEEE 1394 compliant

AC power adapter/charger AA-V100A, AA-V100EA, AA-V100ED or AA-V100SH

Power requirement	: AC 110 V to 240 V~, 50 Hz/60 Hz
Power consumption	: 23 W
Output	
Charge	: DC 7.2 V $\equiv$, 1.2 A
VTR	: DC 6.3 V $\equiv$, 1.8 A
Dimensions (W x H x D)	: 68 mm x 44 mm x 110 mm
Weight	: Approx. 250 g (AA-V100A) Approx. 260 g (AA-V100EA) Approx. 250 g (AA-V100ED) Approx. 325 g (AA-V100SH)

Docking Station CU-V507U

For General

Dimensions (W x H x D)	: 48.4 mm x 36 mm x 79 mm
Weight	: Approx. 53 g

For Connectors

PHONE	
Headphone output	: ϕ 3.5 mm, stereo
USB	: TYPE B
S-VIDEO OUT	: Y: 1 V (p-p), 75 Ω , analogue output C: 0.29 V (p-p), 75 Ω , analogue output
EDIT	: ϕ 3.5 mm, 2-pole

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

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5. PARTS LIST (5-1 to 5)

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5.2	FINAL ASSEMBLY <M2>	5-3

The following table indicate main different points between models GR-DVP3EG, GR-DVP3A-SL, GR-DVP3A-GY, GR-DVP3A-GYC, GR-DVP3EA, GR-DVP3ED and GR-DVP3SH.

ITEM \ MODEL	GR-DVP3EG	GR-DVP3A-SL	GR-DVP3A-GY	GR-DVP3A-GYC	GR-DVP3EA	GR-DVP3ED	GR-DVP3SH
AC POWER ADAPTER CHARGER	AA-V100EG	AA-V100A	AA-V100A-S	←	AA-V100EA	AA-V100ED	AA-V100SH

The following table indicate different parts number between models GR-DVP3EG, GR-DVP3A-SL, GR-DVP3A-GY, GR-DVP3A-GYC, GR-DVP3EA, GR-DVP3ED and GR-DVP3SH.

PACKING AND ACCESSORY ASSEMBLY <M1> Note: As for IB (INSTRUCTIONS), refer to sec.5.

REF. No.	ITEM \ MODEL	GR-DVP3EG	GR-DVP3A-SL	GR-DVP3A-GY	GR-DVP3A-GYC	GR-DVP3EA	GR-DVP3ED	GR-DVP3SH
1	PACKING CASE	LY32303-001A	LY32303-007A	LY32303-008A	←	LY32303-005A	LY32303-006A	←
4	BATTERY PACK	LY32203-001A	LY32203-003A	LY32203-001A	←	←	LY32203-003A	←
5	AC POWER ADAPTER/CHARGER	LY20754-002B	LY20754-008A	LY20754-009A	←	LY20754-005A	LY20754-006B	LY20754-007A
14	DC CORD	LY32226-001A	LY32226-002A	LY32226-001A	←	←	LY32226-002A	←
24	ADAPTER PLUG	QAM0302-001	—	—	—	—	—	—
25	POLY BAG	QPA02003506	←	←	←	QPA02003006	QPA02003506	←
32	WARRANTY CARD	BT54013-2	—	—	BT-59011-2	BT-56001-2	BT-59011-2	—
35	CONVERSION PLUG	—	PEMC1012-02	PEMC1012	←	—	—	—
36	SHEET(CON.PLUG)	—	LYT0609-001A	←	←	—	—	—
37	GUARANTY CARD	—	—	—	BT-59012-1	—	BT-59012-1	—
38	SER.NET CARD	—	—	—	—	BT-56002-2	—	—

FINAL ASSEMBLY <M2>

REF. No.	ITEM \ MODEL	GR-DVP3EG	GR-DVP3A-SL	GR-DVP3A-GY	GR-DVP3A-GYC	GR-DVP3EA	GR-DVP3ED	GR-DVP3SH
122	SPECIAL SCREW	LY30018-055A	LY30018-070A	LY30018-055A	←	←	LY30018-070A	←
125	UPPER CASE ASSY	LY32292-001E	LY32292-003C	LY32292-001D	←	←	LY32292-003C	←
126	GUIDE(MONI)	LY32265-001C	LY32265-002C	LY32265-001C	←	←	LY32265-002C	←
127	J.COVER(DV)ASSY	LY43126-001D	LY43126-002C	LY43126-001D	←	←	LY43126-002C	←
131	SUB OPE	LY32198-001B	LY32198-003B	LY32198-001B	←	←	LY32198-003B	←
133	SPECIAL SCREW	LY30018-063A	LY30018-0B7A	LY30018-063A	←	←	LY30018-0B7A	←
134	SPECIAL SCREW,X2	LY30018-092A	LY30018-093A	LY30018-092A	←	←	LY30018-093A	←
135	COVER(JIG)ASSY	LY43134-001C	LY43134-002C	LY43134-001C	←	←	LY43134-002C	←
136	SPECIAL SCREW	LY30018-055A	LY30018-070A	LY30018-055A	←	←	LY30018-070A	←
137	SPECIAL SCREW,X2	LY30018-031A	LY30018-032A	LY30018-031A	←	←	LY30018-032A	←
142	SHEET(CAUTION)1	LY41701-004A	LY41701-008A	LY41701-004A	←	←	LY41701-002A	←
143	SHEET(CAUTION)2	LY42163-002B	LY42163-003A	LY42163-002B	←	←	LY42163-003A	←
146	SPECIAL SCREW,X2	LY30018-0E4A	←	←	←	←	←	LY30018-0C3A
150	SPECIAL SCREW,X2	LY30018-055A	LY30018-070A	LY30018-055A	←	←	LY30018-070A	←
151	SPECIAL SCREW	LY30018-055A	LY30018-070A	LY30018-055A	←	←	LY30018-070A	←
152	SPECIAL SCREW	LY30018-065A	LY30018-0A2A	LY30018-065A	←	←	LY30018-0A2A	←
153	SPECIAL SCREW	LY30018-055A	LY30018-070A	LY30018-055A	←	←	LY30018-070A	←
154	SPECIAL SCREW	LY30018-019A	LY30018-026A	LY30018-019A	←	←	LY30018-026A	←
155	SPECIAL SCREW,X2	LY30018-0D5A	LY30018-0D8A	LY30018-0D5A	←	←	LY30018-0D8A	←
185	LOWER CASE	LY20756-001C	LY20756-003A	LY20756-001B	←	←	LY20756-003A	←
197	BRACKET(H.S)	LY32262-001A	←	←	←	LY32262-001B	LY32262-001A	←
205	SPECIAL SCREW	LY30018-055A	←	←	←	←	←	LY30018-070A
206	BOTTOM COVER	LY20760-001F	LY20760-003C	LY20760-001D	←	←	LY20760-003C	←
207	COVER(SD)ASSY	LY32279-003A	LY32279-002B	LY32279-001C	←	LY32279-003A	LY32279-002B	←
208	SPECIAL SCREW,X2	LY30018-081A	LY30018-043B	LY30018-081A	←	←	LY30018-043B	←
213	SPECIAL SCREW	LY30018-0E1A	LY30018-0E2A	LY30018-0E1A	←	←	LY30018-0E2A	←

Notes : Mark ← is same as left.

Mark — is not used.

Mark * reference model was also changed.

REF. No.	ITEM	MODEL	GR-DVP3EG	GR-DVP3A-SL	GR-DVP3A-GY	GR-DVP3A-GYC	GR-DVP3EA	GR-DVP3ED	GR-DVP3SH
214	SPECIAL SCREW	LY30018-065A	LY30018-0A2A	LY30018-065A	←	←	LY30018-0A2A	←	←
223	SPECIAL SCREW	LY30018-0A3A	LY30018-060A	LY30018-0A3A	←	←	LY30018-060A	←	←
225	SPACER(A)	—	—	—	—	*LY30029-0R1A	—	—	—
230	CASSETTE COVER	LY20757-001B	LY20757-002A	LY20757-001B	←	←	LY20757-002A	←	←
234	SPECIAL SCREW	LY30018-0E3A	LY30018-006B	LY30018-0E3A	←	←	LY30018-006B	←	←
240	CAUTION LABEL/SAFETY LABEL	LY41442-003A	*—	*—	*—	LY43149-003A	*—	*—	*—
241	SHEET(C.COVER)	LY43055-001B	←	←	←	←	LY43055-001A	←	←
242	OPE.COVER UNIT	LY20749-001C	LY20749-001B	←	←	←	←	←	←
243	SPECIAL SCREW,X4	LY30018-065A	LY30018-0A2A	LY30018-065A	←	←	LY30018-0A2A	←	←
244	SPECIAL SCREW,X2	LY30018-081A	LY30018-070A	LY30018-081A	←	←	LY30018-070A	←	←
250	SPECIAL SCREW	LY30018-0E3A	LY30018-006B	LY30018-0E3A	←	←	LY30018-006B	←	←

MECHANISM ASSEMBLY <M3>

REF. No.	ITEM	MODEL	GR-DVP3EG	GR-DVP3A-SL	GR-DVP3A-GY	GR-DVP3A-GYC	GR-DVP3EA	GR-DVP3ED	GR-DVP3SH
427	MINI SCREW	YQ43893	*LY43023-001A	*←	*←	*←	*←	*←	*←

MONITOR ASSEMBLY <M5>

REF. No.	ITEM	MODEL	GR-DVP3EG	GR-DVP3A-SL	GR-DVP3A-GY	GR-DVP3A-GYC	GR-DVP3EA	GR-DVP3ED	GR-DVP3SH
500	MONITOR ASSY	LYH20289-003B	LYH20289-006A	LYH20289-003B	←	←	LYH20289-006A	←	←
501	MONITOR CASE ASSY	LY32263-001E	*LY32263-002D	LY32263-001C	←	←	*LY32263-002D	*←	*←
502	MONITOR COVER	LY10297-001C	LY10297-003B	LY10297-001C	←	←	LY10297-003B	←	←
506	HINGE COVER(U)	LY32267-001A	LY32267-002A	LY32267-001A	←	←	LY32267-002A	←	←
507	HINGE COVER(L)	LY32268-001A	LY32268-002A	LY32268-001A	←	←	LY32268-002A	←	←
509	SPECIAL SCREW,X2	LY30018-0D3A	LY30018-0D9A	LY30018-0D3A	←	←	LY30018-0D9A	←	←
510	SPECIAL SCREW	LY30018-081A	LY30018-043B	LY30018-081A	←	←	LY30018-043B	←	←
512	SPECIAL SCREW,X2	LY30018-087A	LY30018-0B7A	LY30018-087A	←	←	LY30018-0B7A	←	←

MAIN BOARD ASSEMBLY <01>

REF. No.	ITEM	MODEL	GR-DVP3EG	GR-DVP3A-SL	GR-DVP3A-GY	GR-DVP3A-GYC	GR-DVP3EA	GR-DVP3ED	GR-DVP3SH
OT6	SPACER(A)	LY30029-0P9B	*LY30029-0P9A	*←	*←	*←	*←	*←	*←

BOTTOM BOARD ASSEMBLY <03>

REF. No.	ITEM	MODEL	GR-DVP3EG	GR-DVP3A-SL	GR-DVP3A-GY	GR-DVP3A-GYC	GR-DVP3EA	GR-DVP3ED	GR-DVP3SH
PW1	BOTTOM BOARD ASSY	YB10329A1-02	*YB10329B1	*←	*←	*←	*←	*←	*←
D2803	ZENER DIODE	—	*EDZ6.8B	*←	*←	*←	*←	*←	*←
D2804	ZENER DIODE	—	*EDZ6.8B	*←	*←	*←	*←	*←	*←
D2805	ZENER DIODE	—	*EDZ6.8B	*←	*←	*←	*←	*←	*←
D2806	ZENER DIODE	—	*EDZ6.8B	*←	*←	*←	*←	*←	*←
D2808	ZENER DIODE	—	*EDZ6.8B	*←	*←	*←	*←	*←	*←
D2809	ZENER DIODE	—	*EDZ6.8B	*←	*←	*←	*←	*←	*←
D2810	ZENER DIODE	—	*EDZ6.8B	*←	*←	*←	*←	*←	*←
D2811	ZENER DIODE	—	*EDZ6.8B	*←	*←	*←	*←	*←	*←
R2811	MG RESISTOR	—	*NRSA6AJ-0R0W	*←	*←	*←	*←	*←	*←
R2813	MG RESISTOR	—	*NRSA6AJ-0R0W	*←	*←	*←	*←	*←	*←
R2819	MG RESISTOR	—	*NRSA6AJ-0R0W	*←	*←	*←	*←	*←	*←
R2820	MG RESISTOR	—	*NRSA6AJ-0R0W	*←	*←	*←	*←	*←	*←
R2821	MG RESISTOR	—	*NRSA6AJ-0R0W	*←	*←	*←	*←	*←	*←
R2822	MG RESISTOR	—	*NRSA6AJ-0R0W	*←	*←	*←	*←	*←	*←
C2805	CAPACITOR	—	*NCBA1AK-104W	*←	*←	*←	*←	*←	*←
C2806	T CAPACITOR	—	*NBLJ0JM-106X	*←	*←	*←	*←	*←	*←

SECTION 6

AC POWER ADAPTER / CHARGER

CABINET ASSEMBLY <MA>

REF. No.	ITEM	MODEL	GR-DVP3EG	GR-DVP3A-SL	GR-DVP3A-GY	GR-DVP3A-GYC	GR-DVP3EA	GR-DVP3ED	GR-DVP3SH
3	AC POWER CORD	YQ10531-006	←	PTY10067-036	←	PTY20080-035	PTY10067-037	YQ10531-006	

Notes : Mark ← is same as left.

Mark — is not used.

Mark * reference model was also changed.



VICTOR COMPANY OF JAPAN, LIMITED
VIDEO DIVISION

S40894



4.1 BOTTOM SCHEMATIC DIAGRAM



A

B

C

D

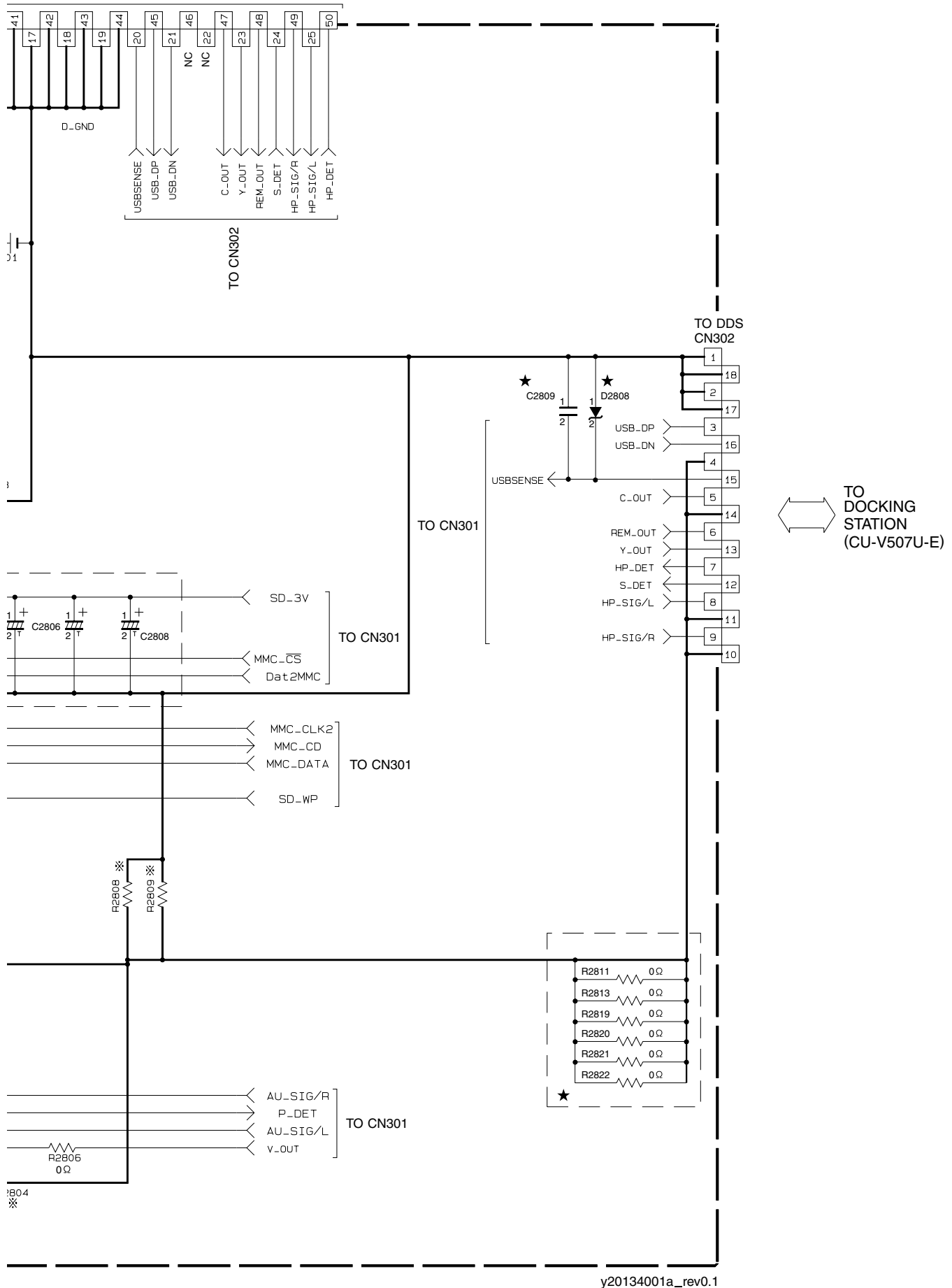
NOTE 1. How to find the page showing the continuative schematic diagram.

Example) To SYSCON : Refer to the GR-DVP3EG service manual (No. 86631).

To SYSCON : Refer to this service manual.

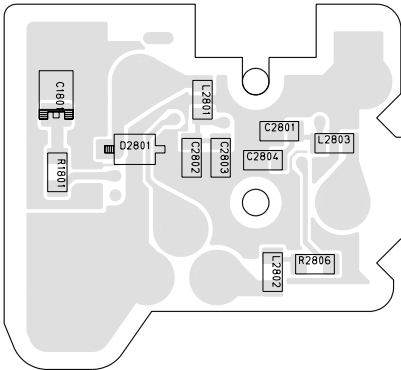
2. The mark ★ means modified points.

3. When ordering parts, be sure to order according to the Part Number indicated in the Parts List.

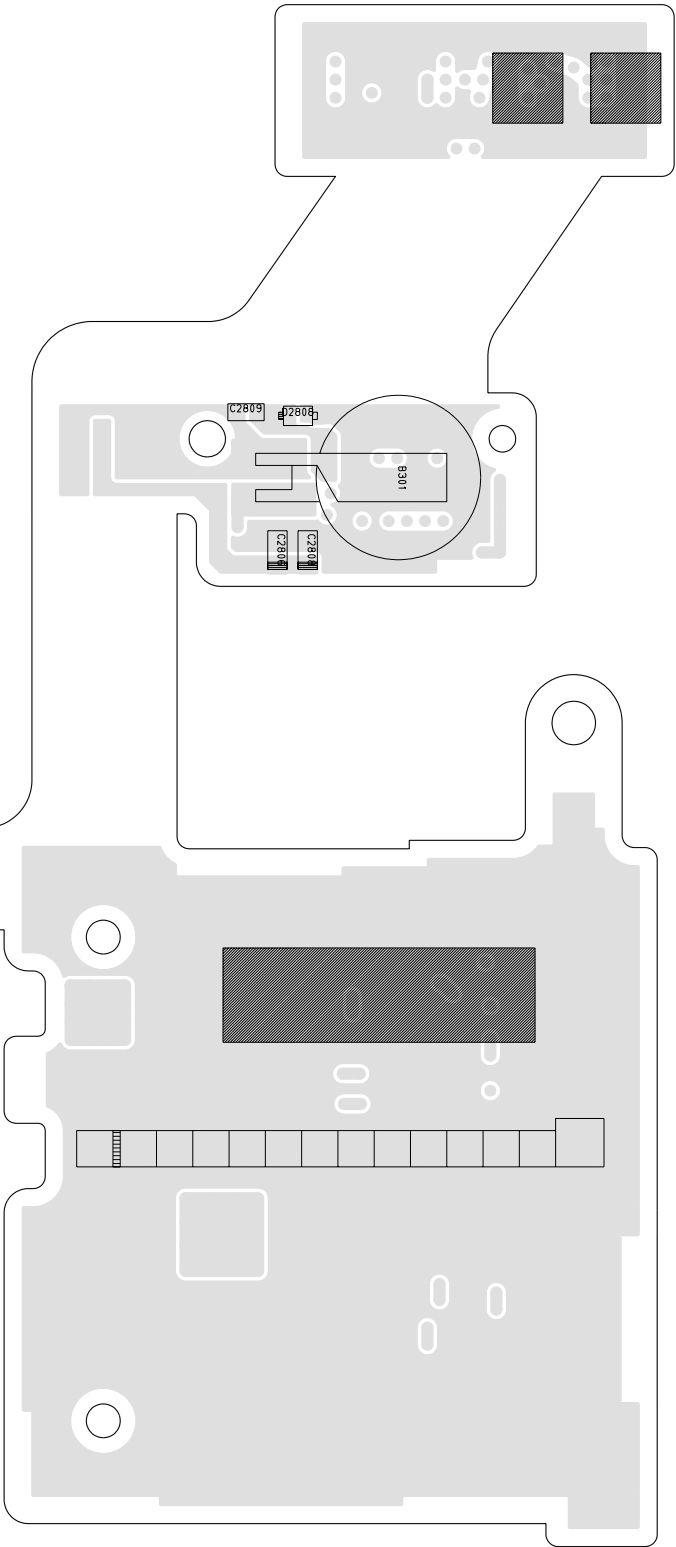


4.2 BOTTOM CIRCUIT BOARD

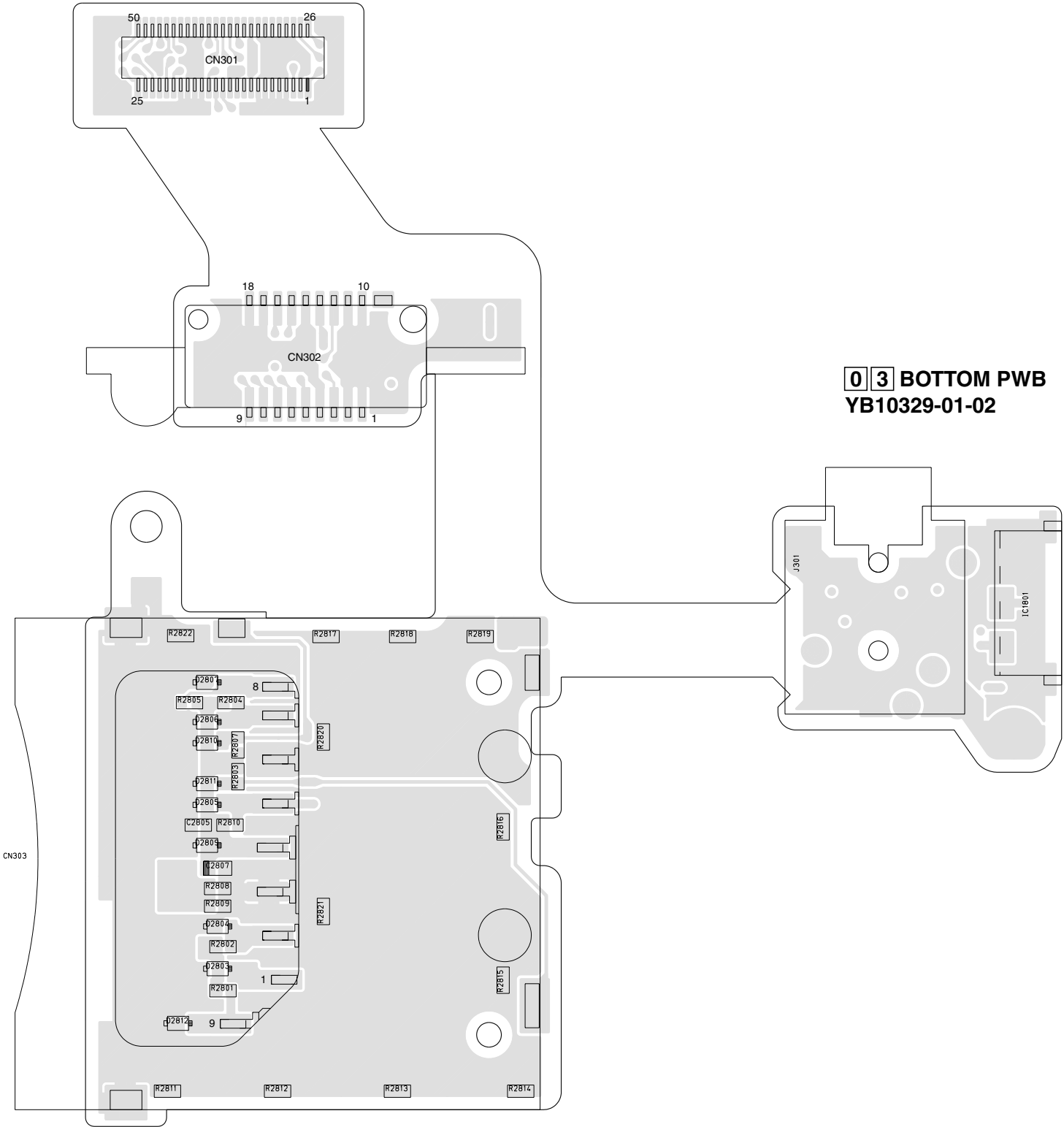
0 3 BOTTOM PWB
YB10329-01-02



FOIL SIDE(B)



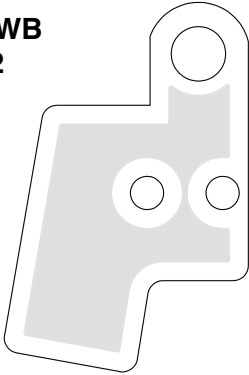
COMPONENT SIDE(A)



4.3 EJECT CIRCUIT BOARD

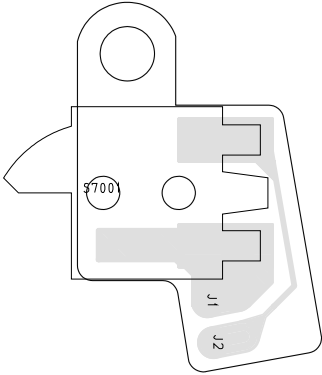
FOIL SIDE(B)

06 EJECT PWB
YB10329-01-02



COMPONENT SIDE(A)

06 EJECT PWB
YB10329-01-02



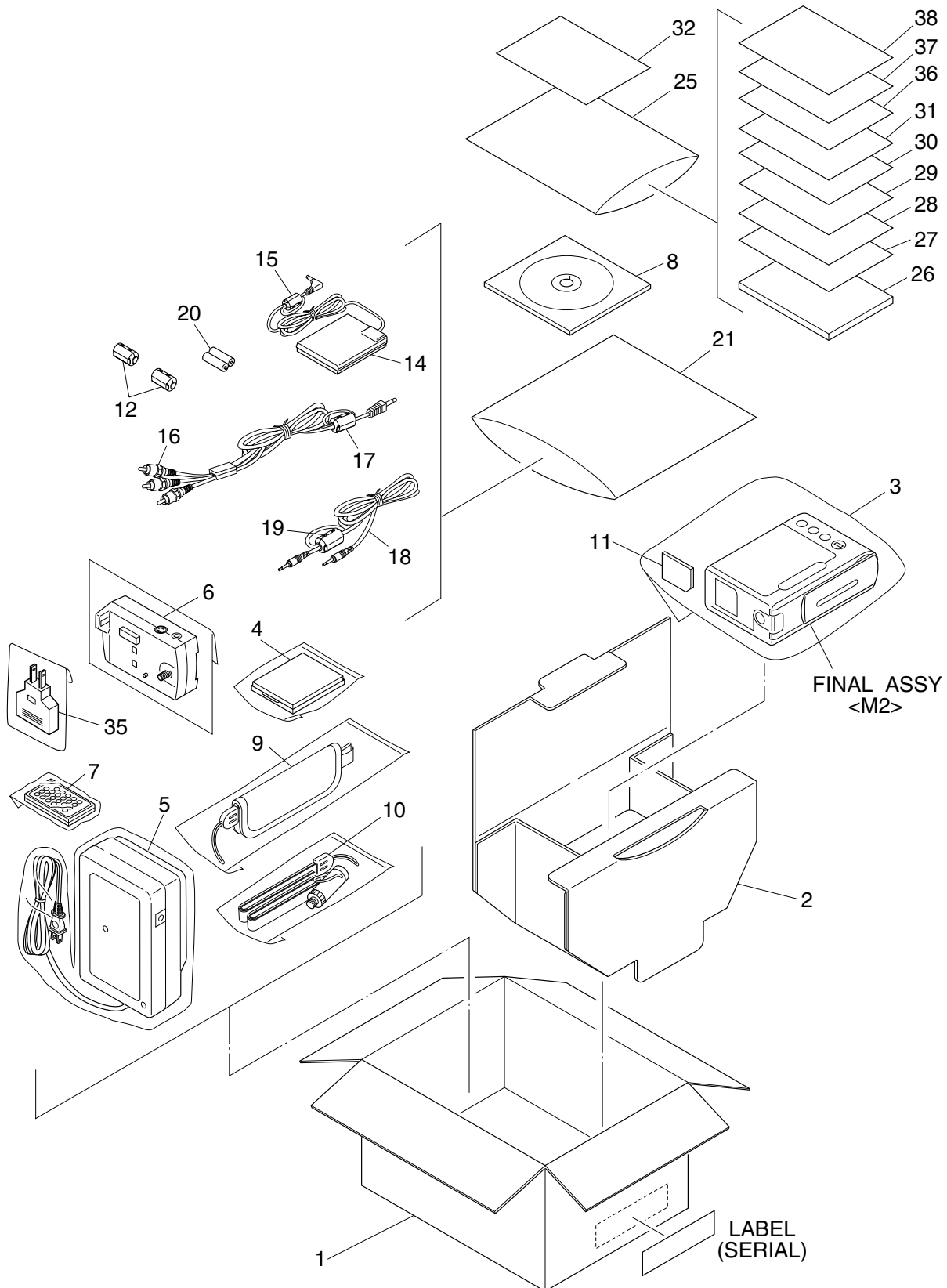
SECTION 5 PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.



#	△ REF No.	PART No.	PART NAME, DESCRIPTION

PACKING AND ACCESSORY ASSEMBLY <M1>

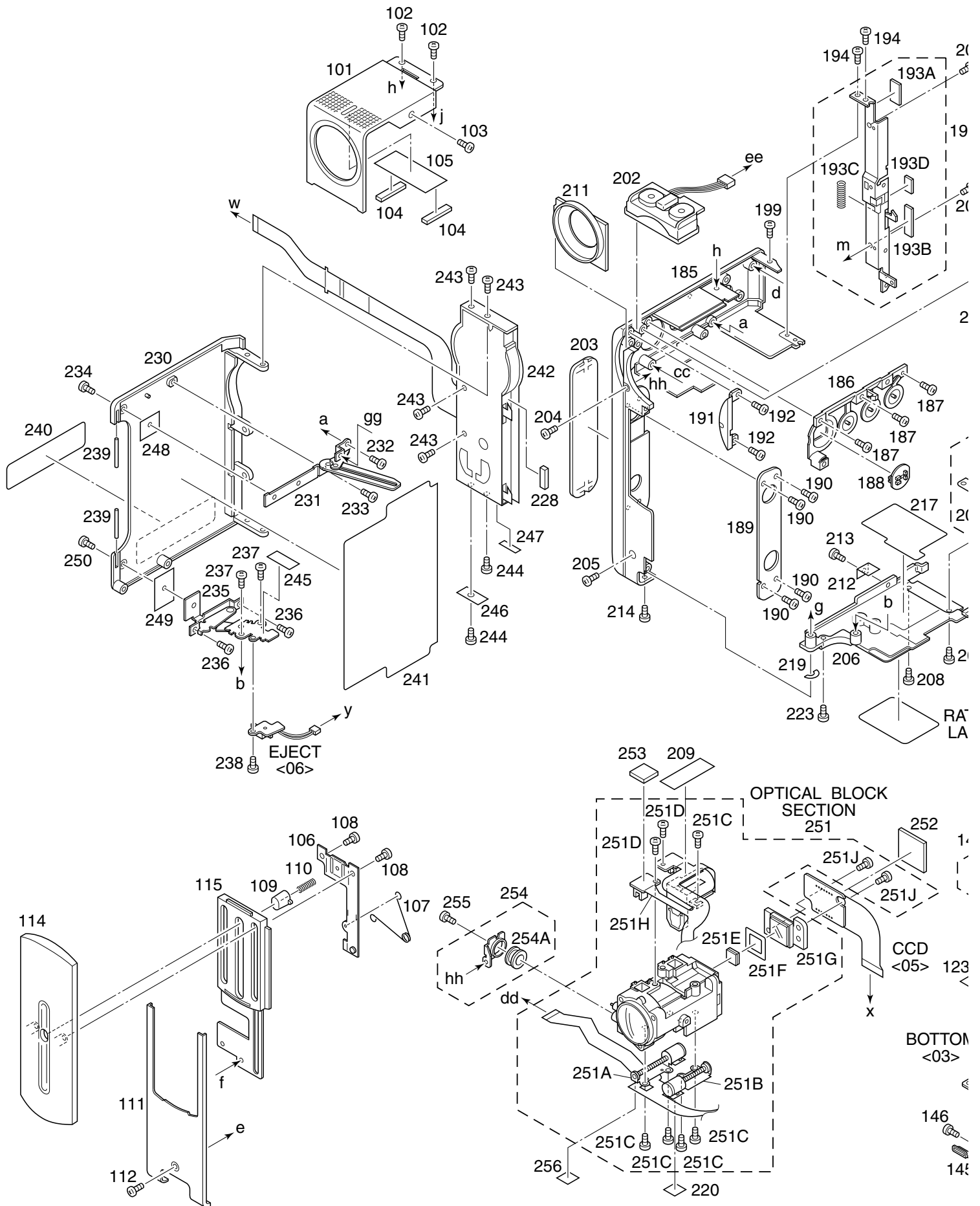
1	LY32303-005A	PACKING CASE,D
	LY32303-006A	PACKING CASE,E,F
	LY32303-007A	PACKING CASE,A
	LY32303-008A	PACKING CASE,B,C
2	LY20763-001A	CUSHION
3	LY30023-003A	POLY BAG
△ 4	LY32203-001A	BATTERY PACK,BN-V107U,B,C,D
△	LY32203-003A	BATTERY PACK,BN-V107U,A,E,F
△ 5	LY20754-005A	AC POWER ADAPTER/CHARGER,AA-V100EA,D
△	LY20754-006B	AC POWER ADAPTER/CHARGER,AA-V100ED,E
△	LY20754-007A	AC POWER ADAPTER/CHARGER,AA-V100SH,F
△	LY20754-008A	AC POWER ADAPTER/CHARGER,AA-V100A,A
△	LY20754-009A	AC POWER ADAPTER/CHARGER,AA-V100A-S,B,C
6	LY20755-003A	DOCKING STATION,CU-V507U
7	LY20750-001A	REMOTE CONTROL UNIT,RM-V717U
8	LY32210-004A	CD ROM
9	LY20762-001B	GRIP BELT
10	LY20765-001B	STRAP
11	QAM0342-002	MEMORY CARD
12	QQR0491-002	CORE FILTER,X2
14	LY32226-001A	DC CORD,B,C,D
	LY32226-002A	DC CORD,A,E,F
15	QQR0917-002	CORE FILTER
16	QAM0347-001	CABLE ASSY,AUDIO/VIDEO CABLE
17	QQR0918-002	CORE FILTER
18	PEAC0428-150	CABLE ASSY,EDITING CABLE
19	QQR0491-002	CORE FILTER
20	-	BATTERY,AAA(R03),X2
21	QPA01703005	POLY BAG
25	QPA02003506	POLY BAG,A,B,C,E,F
	QPA02003006	POLY BAG,D
△ 26	LYT0844-001A	INST.BOOK(EN)
△	LYT0844-002A	INST.BOOK(GE),A,B
△	LYT0844-003A	INST.BOOK(FR),A,B
△	LYT0844-004A	INST.BOOK(CH),A,B,C,E,F
△	LYT0844-005A	INST.BOOK(RU),A,B,C,E,F
△	LYT0844-006A	INST.BOOK(AR),A,B
△ 27	LYT0761-001B	INST.BOOK(SOFT.EN),D
△	LYT0806-001A	INST.BOOK(SOFT.3LANG),C,E,F
△	LYT0843-001A	INST.BOOK(SOFT.5LANG),A,B
28	LYT0378-003A	SHEET(AGREMENT)
29	LYT0760-004A	SHEET(ATT.)
30	LYT0796-015A	SHEET(CORE)
31	LYT0796-016A	SHEET(ATT.MIC)
32	BT-59011-2	WARRANTY CARD,C,E
	BT-56001-2	WARRANTY CARD,D
△ 35	PEMC1012	CONVERSION PLUG,B,C
△	PEMC1012-02	CONVERSION PLUG,A
△ 36	LYT0609-001A	SHEET(CON.PLUG),A,B,C
37	BT-59012-1	GUARANTY CARD,C,E
38	BT-56002-2	SER.NET CARD,D

• INSTRUCTIONS

EN ENGLISH
GE GERMAN
FR FRENCH
CH CHINESE
RU RUSSIAN
AR ARABIC

MODEL	MARK
GR-DVP3A-SL	A
GR-DVP3A-GY	B
GR-DVP3A-GYC	C
GR-DVP3EA	D
GR-DVP3ED	E
GR-DVP3SH	F

5.2 FINAL ASSEMBLY <M2>



#	△	REF No.	PART No.	PART NAME, DESCRIPTION

FINAL ASSEMBLY <M2>				
101		LY20759-001A		COVER(MIC)
102		LY30018-0A3A		SPECIAL SCREW,X2
103		LY30018-0A2A		SPECIAL SCREW
104		LY30029-0L7A		SPACER(A),X2
105		LY43164-001A		SHEET(MIC)
106		LY43106-001B		SLIDE PLATE(B)ASSY
107		LY43225-001A		TORSION SPRING
108		LY30018-0D2A		SPECIAL SCREW,X2
109		LY32260-001D		KNOB(SHUTTER)
110		LY30002-022A		COMPRESSION SPRING
111		LY32228-001B		COVER(UNDER)
112		LY30018-0A2A		SPECIAL SCREW
114		LY43102-003B		COVER(SHUT)ASSY
115		LY43104-001D		GUIDE(SHUT)ASSY
120		LY32246-001A		COVER(SHOE)
121		LY30018-0A2A		SPECIAL SCREW,X2
122		LY30018-055A		SPECIAL SCREW,B,C,D
		LY30018-070A		SPECIAL SCREW,A,E,F
123		LY30029-0N5A		SPACER(A)
124		LY43196-001A		SHEET(UPEER)
125		LY32292-001D		UPPER CASE ASSY,B,C,D
		LY32292-003C		UPPER CASE ASSY,A,E,F
125A		LY43210-002A		LABEL(UPPER)
126		LY32265-001C		GUIDE(MONI),B,C,D
		LY32265-002C		GUIDE(MONI),A,E,F
127		LY43126-001D		JACK COVER(DV)ASSY,B,C,D
		LY43126-002C		JACK COVER(DV)ASSY,A,E,F
130		LY43064-001B		KNOB(LOCK) ASSY
130A		LY43081-001A		SHAFT(LOCK)
130B		LY43080-001A		TORSION SPRING(LOCK)
130C		LY43079-001A		BRACKET(LOCK)
131		LY32198-001B		SUB OPE,B,C,D
		LY32198-003B		SUB OPE,A,E,F
132		LY30018-081A		SPECIAL SCREW
133		LY30018-0B7A		SPECIAL SCREW,A,E,F
		LY30018-063A		SPECIAL SCREW,B,C,D
134		LY30018-093A		SPECIAL SCREW,X2,A,E,F
		LY30018-092A		SPECIAL SCREW,X2,B,C,D
135		LY43134-001C		COVER(JIG)ASSY,B,C,D
		LY43134-002C		COVER(JIG)ASSY,A,E,F
135A		LY42350-002A		FOOT
136		LY30018-055A		SPECIAL SCREW,B,C,D
		LY30018-070A		SPECIAL SCREW,A,E,F
137		LY30018-031A		SPECIAL SCREW,X2,B,C,D
		LY30018-032A		SPECIAL SCREW,X2,A,E,F
138		LY30018-099A		SPECIAL SCREW,X2
139		LY32253-001B		BASE
140		LY43107-001A		SHAFT
141		LY43224-001A		SPACER(B)ASSY
141A		LY43221-001A		S.SHEET(S.BASE)
142		LY41701-002A		SHEET(CAUTION)1,A,E,F
		LY41701-004A		SHEET(CAUTION)1,B,C,D
143		LY42163-002B		SHEET(CAUTION)2,B,C,D
		LY42163-003A		SHEET(CAUTION)2,A,E,F
144		LY42350-002A		FOOT,X3
145		LY32254-001A		BRACKET(BOTTOM)
146		LY30018-0E4A		SPECIAL SCREW,X2,A,B,C,D,E
		LY30018-0C3A		SPECIAL SCREW,X2,F
147		LY30029-0K6A		SPACER(A)
148		LY43176-001A		SHEET(UPPER)1
149		LY43177-001A		SHEET(UPPER)2
150		LY30018-055A		SPECIAL SCREW,X2,B,C,D
		LY30018-070A		SPECIAL SCREW,X2,A,E,F
151		LY30018-055A		SPECIAL SCREW,B,C,D
		LY30018-070A		SPECIAL SCREW,A,E,F
152		LY30018-0A2A		SPECIAL SCREW,A,E,F
		LY30018-065A		SPECIAL SCREW,B,C,D
153		LY30018-055A		SPECIAL SCREW,B,C,D
		LY30018-070A		SPECIAL SCREW,A,E,F
154		LY30018-019A		SPECIAL SCREW,B,C,D
		LY30018-026A		SPECIAL SCREW,A,E,F
155		LY30018-0D5A		SPECIAL SCREW,X2,B,C,D
		LY30018-0D8A		SPECIAL SCREW,X2,A,E,F
156		LY43127-001B		STICKER(MONI.)
157		LY30029-0N3A		SPACER(A)
165		LY43074-001C		BRACKET(MECHA)ASSY
165A		LY42796-001A		BUSH,X3
166		LY30019-028A		SPECIAL SCREW,X3
168		LY43190-001A		SHIELD ASSY
168A		LY42189-001A		SPACER
169		LY30018-005A		SPECIAL SCREW,X2
170		LY43083-001A		BRACKET(PRE-REC)
171		QYSPSPT1414M		SCREW
172		LY43159-001B		SHEET(SHUTTER)
173		LY32001-002A		LABEL(HOUSING)
174		LY40699-002A		LABEL(PUSH)
185		LY20756-003A		LOWER CASE,A,E,F
		LY20756-001B		LOWER CASE,B,C,D
186		LY32239-001C		BUTTON(FUNC.)
187		LY30018-065A		SPECIAL SCREW,X3
188		LY43056-001B		KNOB(FUNC.)
189		LY43114-001A		PLATE(C.C.HINGE)

#	△	REF No.	PART No.	PART NAME, DESCRIPTION
190		LY30018-081A		SPECIAL SCREW,X4
191		LY43125-001A		WINDOW(W/B)ASSY
192		LY30018-065A		SPECIAL SCREW,X2
193		LY32280-001C		BATTERY LOCK ASSY
193A		LY30029-0K9A		SPACER(A)
193B		LY30029-0N1A		SPACER(A)
193C		LY30002-038A		COMPRESSION SPRING
193D		LY30029-0M9A		SPACER(A)
194		LY30018-031A		SPECIAL SCREW,X2
195		LY31998-002A		HOT SHOE
196		QAL0336-001		FPC,AUDIO CN202-HOT SHOE
197		LY32262-001A		BRACKET(H.S),A,B,C,E,F
		LY32262-001B		BRACKET(H.S),D
198		LY30018-081A		SPECIAL SCREW,X4
199		LY30018-081A		SPECIAL SCREW,X3
200		LY30018-055A		SPECIAL SCREW,X4
201		LY30018-065A		SPECIAL SCREW
202		LY32197-001C		MICROPHONE
203		LY32247-001A		COVER(M.ADJ)
204		LY30018-065A		SPECIAL SCREW
205		LY30018-055A		SPECIAL SCREW,A,B,C,D,E
		LY30018-070A		SPECIAL SCREW,F
206		LY20760-001D		BOTTOM COVER,B,C,D
		LY20760-003C		BOTTOM COVER,A,E,F
207		LY32279-003A		COVER(SD)ASSY,D
		LY32279-002B		COVER(SD)ASSY,A,E,F
		LY32279-001C		COVER(SD)ASSY,B,C
207A		LY32242-002A		BRACKET(SD)
207B		LY43111-001A		SHAFT(SD COVER)
207C		LY43047-001B		TORSION SPRING
208		LY30018-043B		SPECIAL SCREW,X2,A,E,F
		LY30018-081A		SPECIAL SCREW,X2,B,C,D
209		LY30029-0K5A		SPACER(A),X2
211		LY32255-001C		HOOD
212		LY43169-001B		HOLDER(SD CON)
213		LY30018-0E2A		SPECIAL SCREW,A,E,F
		LY30018-0E1A		SPECIAL SCREW,B,C,D
214		LY30018-0A2A		SPECIAL SCREW,A,E,F
		LY30018-065A		SPECIAL SCREW,B,C,D
215		LY30018-081A		SPECIAL SCREW
216		QYSPSPT1725D		SCREW
217		LY43084-001A		SHEET(B COVER)
218		LY30018-065A		SPECIAL SCREW
219		LY43216-001A		SPACER(LOW-BOTT)
220		LY30029-0L3A		SPACER(A),X2
222		LY30018-081A		SPECIAL SCREW,X2
223		LY30018-0A3A		SPECIAL SCREW,B,C,D
		LY30018-060A		SPECIAL SCREW,A,E,F
225		LY30029-0R1A		SPACER(A),D
228		LY30029-0Q2A		SPACER(A)
230		LY20757-002A		CASSETTE COVER,A,E,F
		LY20757-001B		CASSETTE COVER,B,C,D
231		LY32244-001B		ARM ASSY(1)
232		LY30018-031A		SPECIAL SCREW
233		LY30018-081A		SPECIAL SCREW
234		LY30018-006B		SPECIAL SCREW,A,E,F
		LY30018-0E3A		SPECIAL SCREW,B,C,D
235		LY32245-001B		ARM ASSY(2)
236		LY30018-081A		SPECIAL SCREW,X2
237		LY30018-081A		SPECIAL SCREW,X2
238		LY30018-081A		SPECIAL SCREW
239		LY43113-001A		SHAFT(C COVER),X2
△ 240		LY43149-003A		SAFETY LABEL,D
241		LY43055-001A		SHEET(C COVER),E,F
		LY43055-001B		SHEET(C COVER),A,B,C,D
242		LY20749-001B		OPE COVER UNIT
243		LY30018-0A2A		SPECIAL SCREW,X4,A,E,F
		LY30018-065A		SPECIAL SCREW,X4,B,C,D
244		LY30018-081A		SPECIAL SCREW,X2,B,C,D
		LY30018-070A		SPECIAL SCREW,X2,A,E,F
245		LY30029-0L5C		SPACER(A)
246		LY43198-001B		SHEET(OPE-SD)
247		LY30029-0N8A		SPACER(A)
248		LY43200-001A		SHEET(ARM1)
249		LY43201-001A		SHEET(ARM2)
250		LY30018-006B		SPECIAL SCREW,A,E,F
		LY30018-0E3A		SPECIAL SCREW,B,C,D
252		LY43160-001A		SHEET(CCD PWB)
253		LY30029-0P6A		SPACER(A)
254		LY43075-001C		OP BRACKET ASSY
254A		LY41675-001A		RUBBER
255		LY30018-0D7A		SPECIAL SCREW
256		LY30029-0L4A		SPACER(A)
- OPTICAL BLOCK SECTION -				
251		J0D-201A		OPTICAL BLOCK ASSY
251A		LY32158-001A		ZOOM MOTOR
251B		LY32157-001A		FOCUS MOTOR
251C		LY30727-006B		SCREW,X5
251D		LY30727-001A		SCREW,X2
251E		LY42983-001A		OPTICAL LPF
251F		LY42948-001B		SHEET
251G		LYH40167-001B		CCD BASE ASSY
251H		LY32162-001A		IRIS UNIT
251J		QYSPSGU1740Z		SCREW,X2

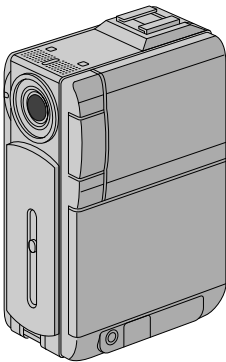
JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVP1EG/EK,DVP3EG/EK

GR-DVP1EG/EK,DVP3EG/EK



SPECIFICATIONS

Camcorder

For General	
Power supply	: DC 6.3 V $\equiv$ (Using AC Power Adapter/Charger) DC 7.2 V $\equiv$ (Using battery pack)
Power consumption	
LCD monitor off, viewfinder on	: Approx. 4.1 W
LCD monitor on, viewfinder off	: Approx. 5.0 W
Dimensions (W x H x D)	: 43 mm x 115 mm x 80 mm (with the LCD monitor closed and the viewfinder pushed back in)
Weight	: Approx. 340 g (without grip belt, battery and cassette) Approx. 410 g (incl. grip belt, battery and cassette)
Operating temperature	: 0°C to 40°C
Operating humidity	: 35% to 80%
Storage temperature	: -20°C to 50°C
Pickup	: 1/4" CCD
Lens	: F 1.8, f = 3.7 mm to 37 mm, 10:1 power zoom lens (It is not possible to attach any lens filter or conversion lens.)
LCD monitor	: 2" diagonally measured, LCD panel/TFT active matrix system
Viewfinder	: Electronic viewfinder with 0.44" colour LCD
Speaker	: Monaural

For Digital Video Camera

Format	: DV format (SD mode)
Signal format	: PAL standard
Recording/Playback format	: Video: Digital component recording Audio: PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit)
Cassette	: Mini DV cassette
Tape speed	: SP: 18.8 mm/s LP: 12.5 mm/s
Maximum recording time (using 80 min. cassette)	: SP: 80 min. LP: 120 min.

For Digital Still Camera

Storage media	: SD Memroy Card/MultiMediaCard
Compression system	: Still image : JPEG (compatible) Moving image : MPEG4 (compatible)
File size	: 2 modes (XGA: 1024 x 768 pixels/VGA: 640 x 480 pixels)
Picture quality	: 2 modes (FINE/STANDARD)
Approximate number of storable images (with the provided memory card [8 MB], with Sound Effects pre-stored)	
FINE	: 37 (VGA), 16 (XGA)
STANDARD	: 105 (VGA), 51 (XGA)

For other memory cards, see pg. 17.

For Connectors

AV	
Video output	: 1 V (p-p), 75 Ω , analogue
Audio output	: 300 mV (rms), 1 k Ω , analogue, stereo
DV	
Input/output (GR-DVP3 only)	: 4-pin, IEEE 1394 compliant
Output (GR-DVP1 only)	: 4-pin, IEEE 1394 compliant

AC power adapter/charger AA-V100EG or AA-V100EK

Power requirement	: AC 110 V to 240 V $\sim$, 50 Hz/60 Hz
Power consumption	: 23 W
Output	
Charge	: DC 7.2 V $\equiv$, 1.2 A
VTR	: DC 6.3 V $\equiv$, 1.8 A
Dimensions (W x H x D)	: 68 mm x 44 mm x 110 mm
Weight	: Approx. 250 g (AA-V100EG) Approx. 325 g (AA-V100EK)

Docking Station CU-V507U

For General

Dimensions (W x H x D)	: 48.4 mm x 36 mm x 79 mm
Weight	: Approx. 53 g

For Connectors

PHONE	
Headphone output	: ϕ 3.5 mm, stereo
USB	: TYPE B
S-VIDEO OUT	: Y: 1 V (p-p), 75 Ω , analogue output C: 0.29 V (p-p), 75 Ω , analogue output
EDIT	: ϕ 3.5 mm, 2-pole

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.



VICTOR COMPANY OF JAPAN, LIMITED
VIDEO DIVISION

S40894

No. 86631

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The following table lists the differing points between Models GR-DVP1EG/EK and GR-DVP3EG/EK in this series.

	GR-DVP1EG	GR-DVP1EK	GR-DVP3EG	GR-DVP3EK
DV INPUT	NOT USED	NOT USED	USED	USED
AC ADAPTER CHARGER	AA-V100EG	AA-V100EK	AA-V100EG	AA-V100EK
BODY COLOR	SILVER	SILVER	DARK GRAY/SILVER	DARK GRAY/SILVER
BATTERY PACK (COLOR)	SILVER	SILVER	DARK GRAY	DARK GRAY

Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

● Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the  symbol and shaded () parts are critical for safety.
Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.
Caution for continued protection against fire hazard.
Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:
1) Wires covered with PVC tubing
2) Double insulated wires
3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:
1) Insulation Tape 3) Spacers 5) Barrier
2) PVC tubing 4) Insulation sheets for transistors

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

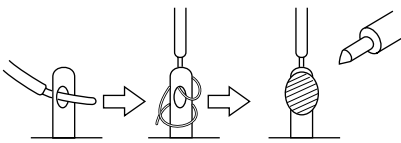


Fig.1

7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

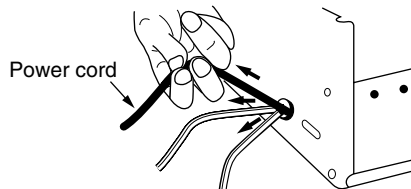


Fig.2

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)
In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector

In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

1) **Connector part number :** E03830-001

2) **Required tool :** Connector crimping tool of the proper type which will not damage insulated parts.

3) **Replacement procedure**

(1) Remove the old connector by cutting the wires at a point close to the connector.

Important : Do not reuse a connector (discard it).

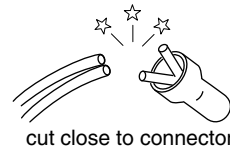


Fig.3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

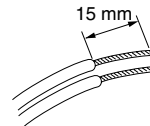


Fig.4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

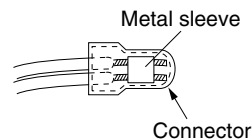


Fig.5

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

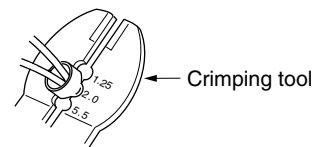


Fig.6

(5) Check the four points noted in Fig.7.

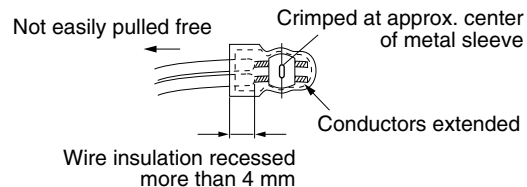


Fig.7

● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test

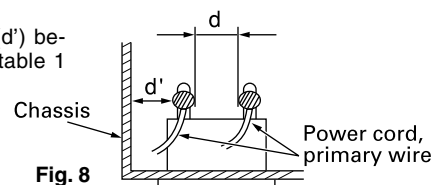
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

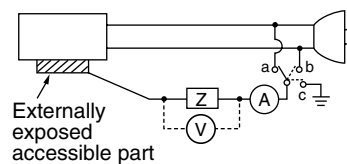


4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method : (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

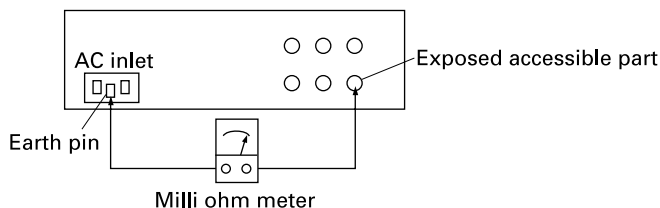


5. Grounding (Class 1 model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

Measuring Method:

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.



Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	$Z \leq 0.1 \text{ ohm}$
Europe & Australia	$Z \leq 0.5 \text{ ohm}$

Fig. 10

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	$R \geq 1 \text{ M}\Omega/500 \text{ V DC}$	AC 1 kV 1 minute	$d, d' \geq 3 \text{ mm}$
100 to 240 V			AC 1.5 kV 1 minute	$d, d' \geq 4 \text{ mm}$
110 to 130 V	USA & Canada	$1 \text{ M}\Omega \leq R \leq 12 \text{ M}\Omega/500 \text{ V DC}$	AC 1 kV 1 minute	$d, d' \geq 3.2 \text{ mm}$
110 to 130 V 200 to 240 V	Europe & Australia	$R \geq 10 \text{ M}\Omega/500 \text{ V DC}$	AC 3 kV 1 minute (Class II)	$d \geq 4 \text{ mm}$
			AC 1.5 kV 1 minute (Class I)	$d' \geq 8 \text{ mm (Power cord)}$ $d' \geq 6 \text{ mm (Primary wire)}$

Table 1 Specifications for each region

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan		$i \leq 1 \text{ mA rms}$	Exposed accessible parts
110 to 130 V	USA & Canada		$i \leq 0.5 \text{ mA rms}$	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia		$i \leq 0.7 \text{ mA peak}$ $i \leq 2 \text{ mA dc}$	Antenna earth terminals
			$i \leq 0.7 \text{ mA peak}$ $i \leq 2 \text{ mA dc}$	Other terminals

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 1 DISASSEMBLY

1.1 BEFORE ASSEMBLY AND DISASSEMBLY

1.1.1 Precautions

1. Be sure to remove the power supply unit prior to mounting and soldering of parts.
2. When removing a component part that needs to disconnect the connector and to remove the screw for removing itself, first disconnect the connecting wire from the connector and then remove the screw beforehand.
3. When connecting and disconnecting the connectors, be careful not to damage the wire.
4. Carefully remove and handle the part to which some spacer or shield is attached for reinforcement or insulation.
5. When replacing chip parts (especially IC parts), desolder completely first (to prevent peeling of the pattern).
6. Tighten screws properly during the procedures.
Unless specified otherwise, tighten screws at a torque of 0.078N·m(0.8kgf·cm).

1.1.2 Assembly and disassembly

STEP No.	PART	Fig.No.	POINT	NOTE
①	COVER(UNDER)	Fig.1-3-1	(S①)	—
②	COVER(SHOE)	Fig.1-3-2	2(S②),(L②a),(L②b)	—
③	MIC COVER ASSY		(S③a),2(S③b)	—
(1)	(2)	(3)	(4)	(5)

- (1) Indicate the disassembly steps. When assembling, perform in the reverse order of these steps. This number corresponds to the number in the disassembly diagram.
- (2) Indicates the name of disassembly/assembly parts.
- (3) Indicates the number in the disassembly diagram.
- (4) Indicates parts and points such as screws, washers, springs which must be removed during disassembly/assembly.

Symbol	Name, Point
S	Screw
L	Lock, Pawl, Hook
SD	Soldering
CN	Connector

(Example)

- 2 (S①) : Remove the two screws (S①) for removing the part ①.
- CN ①a: Disconnect the connector ①a.
- SD1 : Unsolder at the point SD1.

(5) Precautions on disassembly/assembly.

1.1.3 Destination of connectors

Note: Three kinds of double-arrows in connection tables respectively show kinds of connector/wires.

- ↔ : Wire
- ⇔ : Flat wire (FPC, FFC)
- ↔ : Board to Board connector

[Example]

NOTE: Remove the parts marked in .

CONN. No.	CONNECTOR					Pin No.
CN④a	MAIN	CN107	↔	BOTTOM	CN301	50
CN④b	MAIN	CN112	↔	SUB OPE UNIT	CN112	7

1.1.4 Disconnection of Connectors (Wires)

Connector

Pull both ends of the connector in the arrow direction, remove the lock and disconnect the flat wire.

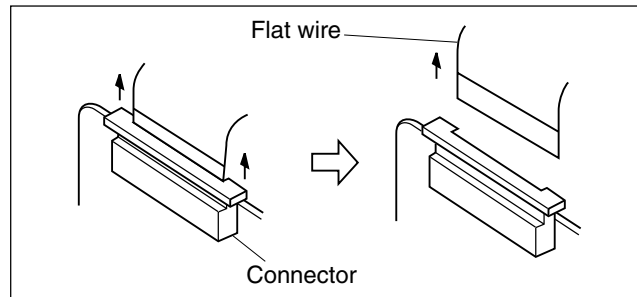


Fig. 1-1-1 Connector 1

Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.

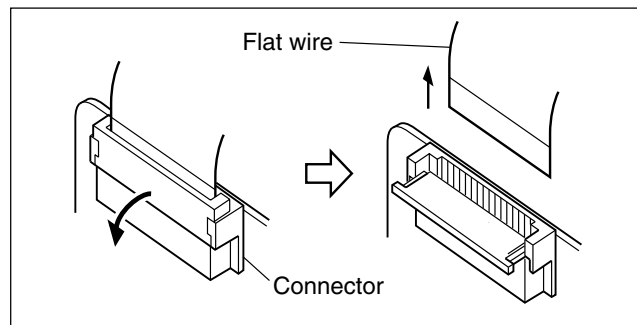


Fig. 1-1-2 Connector 2

B-B connector

Pull the board by both the sides in the direction of the arrow for disconnecting the B-B connector.

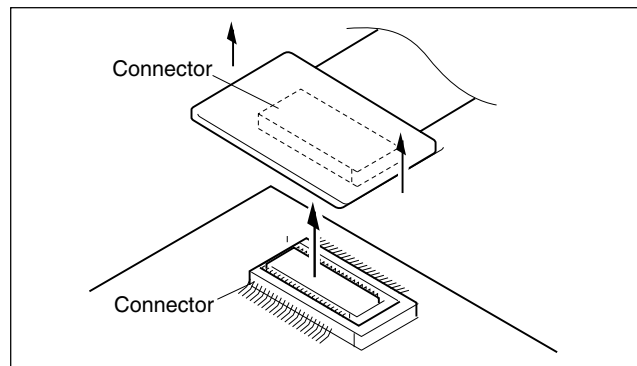


Fig. 1-1-3 Connector 3

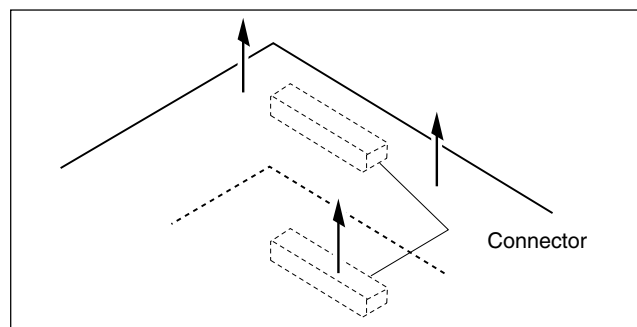


Fig. 1-1-4 Connector 4

1.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

1.2.1 Tools required for adjustments

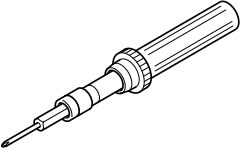
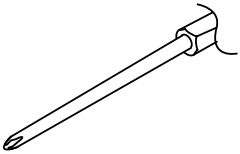
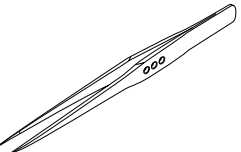
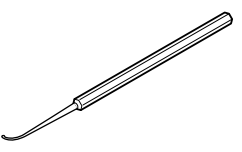
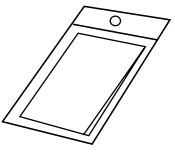
1	Torque Driver YTU94088	2	Bit YTU94088-003
			
3	Tweezers P-895	4	Chip IC Replacement Jig PTS40844-2
			
5	Cleaning Cloth KSMM-01		
			

Table 1-2-1

1. Torque driver

Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.

2. Bit

This bit is slightly longer than those set in conventional torque drivers.

3. Tweezers

To be used for removing and installing parts and wires.

4. Chip IC replacement jig

To be used for adjustment of the camera system.

5. Cleaning cloth

Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY

1.3.1 Disassembly flow chart

This flowchart indicates the disassembly step for the cabinet parts and board assembly in order to gain access to item(s) to be serviced. When reassembling, perform the step(s) in reverse order.

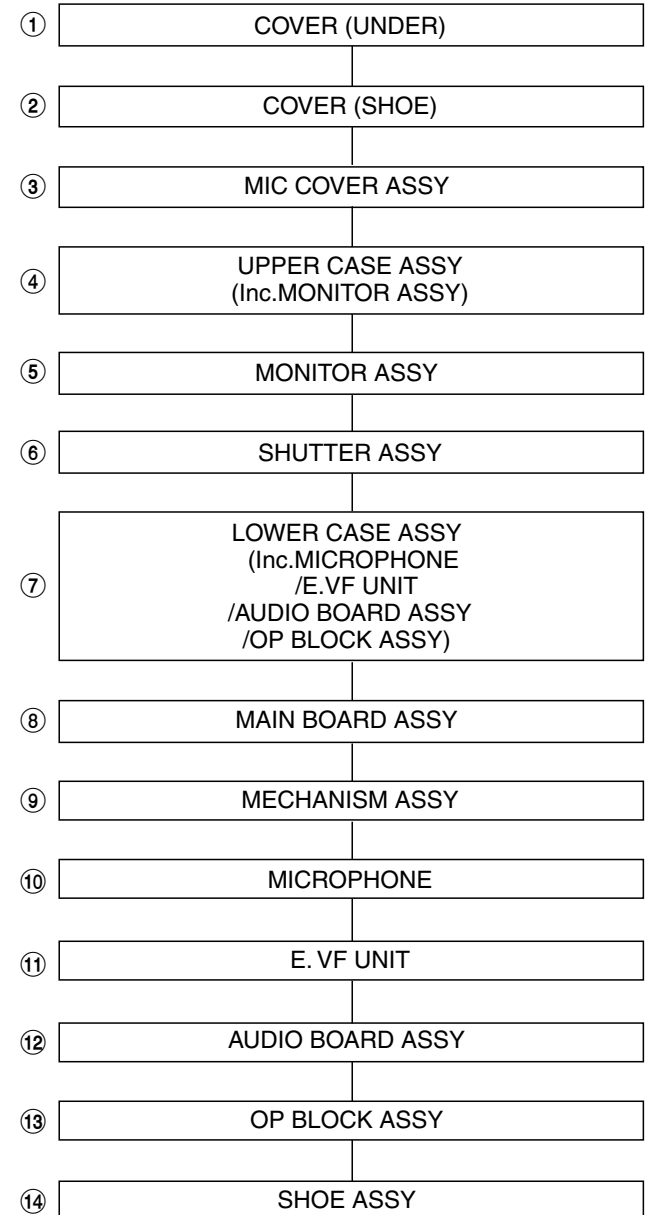


Table 1-3-1

1.3.2 Disassembly method

STEP No.	PART	Fig.No.	POINT	NOTE
①	COVER (UNDER)	Fig.1-3-1	(S①)	—
②	COVER (SHOE)	Fig.1-3-2	2(S②), (L②a), (L②b)	—
③	MIC COVER ASSY		(S③a), 2(S③b)	—
④	UPPER CASE ASSY (Inc.MONITOR ASSY)	Fig.1-3-3a	(SD CARD) (S④a), COVER (JIG) CN ④a	NOTE④a NOTE④b
		Fig.1-3-3b	2(S④b), (S④c), 2(S④b), 2(S④d) 2(S④b), (S④e) CN ④b, CN④c	NOTE④c
⑤	MONITOR ASSY	Fig.1-3-4	2(S⑤a), GUIDE(MONI), 2(S⑤b)	NOTE⑤
⑥	SHUTTER ASSY	Fig.1-3-5	(S⑥)	NOTE⑥
⑦	LOWER CASE ASSY (Inc.MICROPHONE, E. VF UNIT, AUDIO BOARD ASSY, OP BLOCK ASSY)	Fig.1-3-6	CN ⑦a,CN ⑦b,SHEET(SHUTTER) CN ⑦c, CN⑦d, 4(S⑦)	NOTE⑦
⑧	MAIN BOARD ASSY	Fig.1-3-7	SHEET(SHUTTER), 2(S⑧) (L⑧a), SHIELD ASSY, CN ⑧a, CN ⑧b, CN ⑧c, CN ⑧d 2(L⑧b), (L⑧c) CN ⑧e, CN ⑧f	—
⑨	MECHANISM ASSY		3(S⑨a),BRACKET(PRE/REC), 3(S⑨b),BRACKET(MECHA) ASSY	
⑩	MICROPHONE	Fig.1-3-8a	HOOD, SPACER, (S⑩), (S⑩) CN⑩a	NOTE⑩
⑪	E. VF UNIT		(S⑪), SPACER, CN⑪a	NOTE⑪a NOTE⑪b
⑫	AUDIO BOARD ASSY	Fig.1-3-8b	2(S⑫b), SPACER, 3(S⑫)	NOTE⑫a NOTE⑫b
⑬	OP BLOCK ASSY		CN ⑬a	NOTE⑬a NOTE⑬b
⑭	SHOE ASSY		CN ⑭a	NOTE⑭

Table 1-3-2

Note: Remove the parts marked in .

CONN. No.	CONNECTOR				Pin No.
CN④a	MAIN	CN107	↔	BOTTOM CN301	50
CN④b	MAIN	CN112	↔	SUB OPE UNIT -	7
CN④c	MAIN	CN113	↔	MONITOR CN401	39/33
CN⑦a	MAIN	CN110	↔	AUDIO CN201	120
CN⑦b	MAIN	CN111	↔	CCD -	20
CN⑦c	MAIN	CN109	↔	OPE. COVER UNIT -	13
CN⑦d	MAIN	CN108	↔	EJECT SW -	2
CN⑧a	MAIN	CN102	↔	LOADING MOTOR -	6
CN⑧b	MAIN	CN103	↔	ROTARY ENCODER -	6
CN⑧c	MAIN	CN101	↔	HEAD -	8
CN⑧d	MAIN	CN106	↔	SENSOR -	16
CN⑧e	MAIN	CN105	↔	CAPSTAN MOTOR -	18
CN⑧f	MAIN	CN104	↔	DRUM MOTOR -	11
CN⑩a	AUDIO	CN203	↔	MICROPHONE -	4
CN⑪a	AUDIO	CN204	↔	VF BL CN7551	20
CN⑬a	AUDIO	CN205	↔	OP BLOCK ASSY -	24
CN⑭a	AUDIO	CN202	↔	SHOE ASSY -	16

Table 1-3-3

NOTE ④a: If a card is installed, remove it in advance.

NOTE ④b: Be careful not to damage the battery removal switch.

When disassembling, ensure that the lock lever is in the low position and set the battery removal switch only to the up position.

NOTE ④c: Take care of the removed screws.

NOTE ⑤: Refer to Fig. 1-4-1 for the disassembly method.

NOTE ⑥: Be careful not to damage or lose the parts.

NOTE ⑦: For the disassembly/assembly of the E. VF unit, AUDIO board assembly, and OP block assembly, see section 1.8, "SERVICE KNOW-HOW".

NOTE ⑩: Leave the OP block assembly connected to the audio board and locate it in a vacant space.

NOTE ⑪a: Be careful not to cut the FPC wire or damage any of the switches during work.

NOTE ⑪b: Refer to Fig. 1-5-1 for the disassembly method.

NOTE ⑫a: Carefully proceed with the above-mentioned work not to damage any part.

NOTE ⑫b, ⑬a, ⑭ :

When assembling, attach the OP block assembly and the shoe assembly on the AUDIO board assembly and install them together in the lower case assembly.

NOTE ⑬b: Refer to Fig. 1-6-1 for the disassembly method.

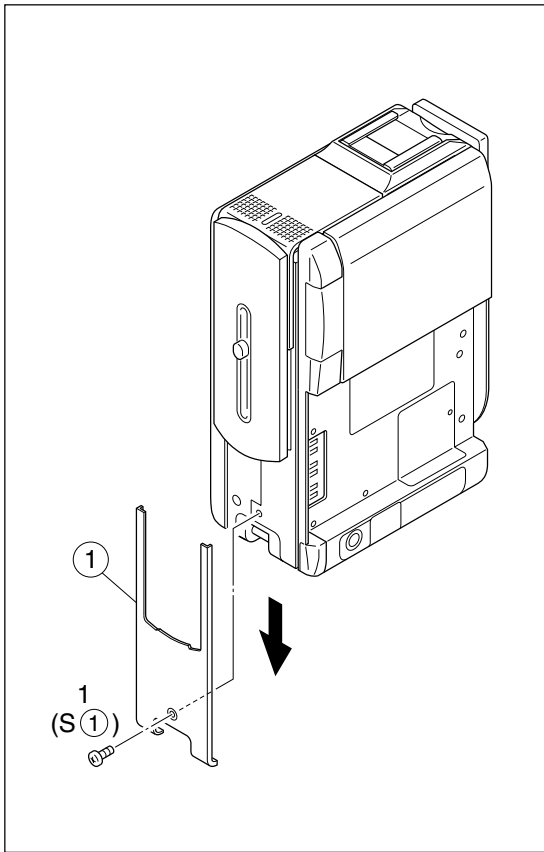


Fig. 1-3-1

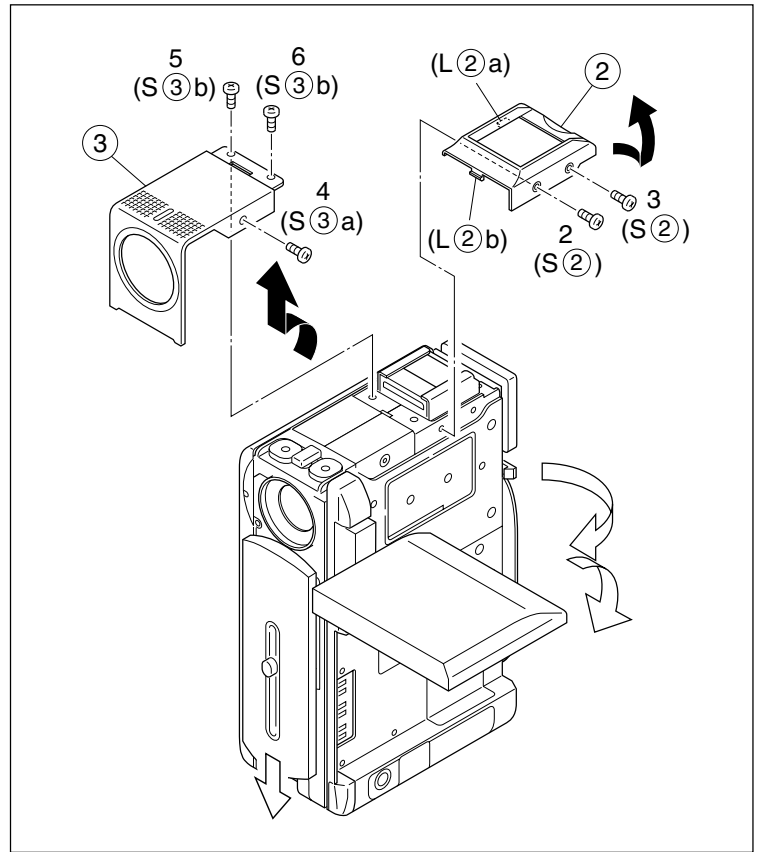


Fig. 1-3-2

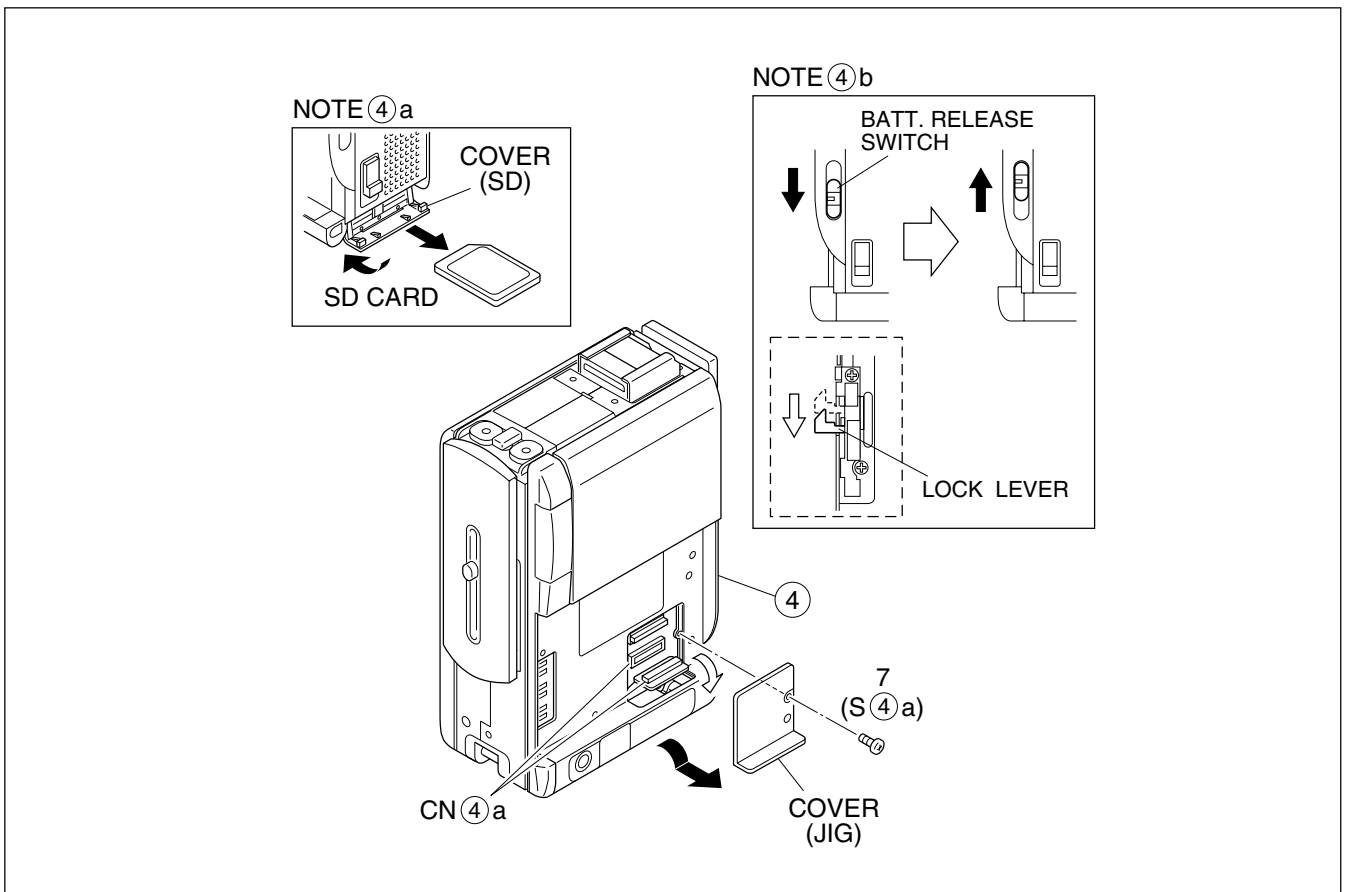


Fig. 1-3-3a

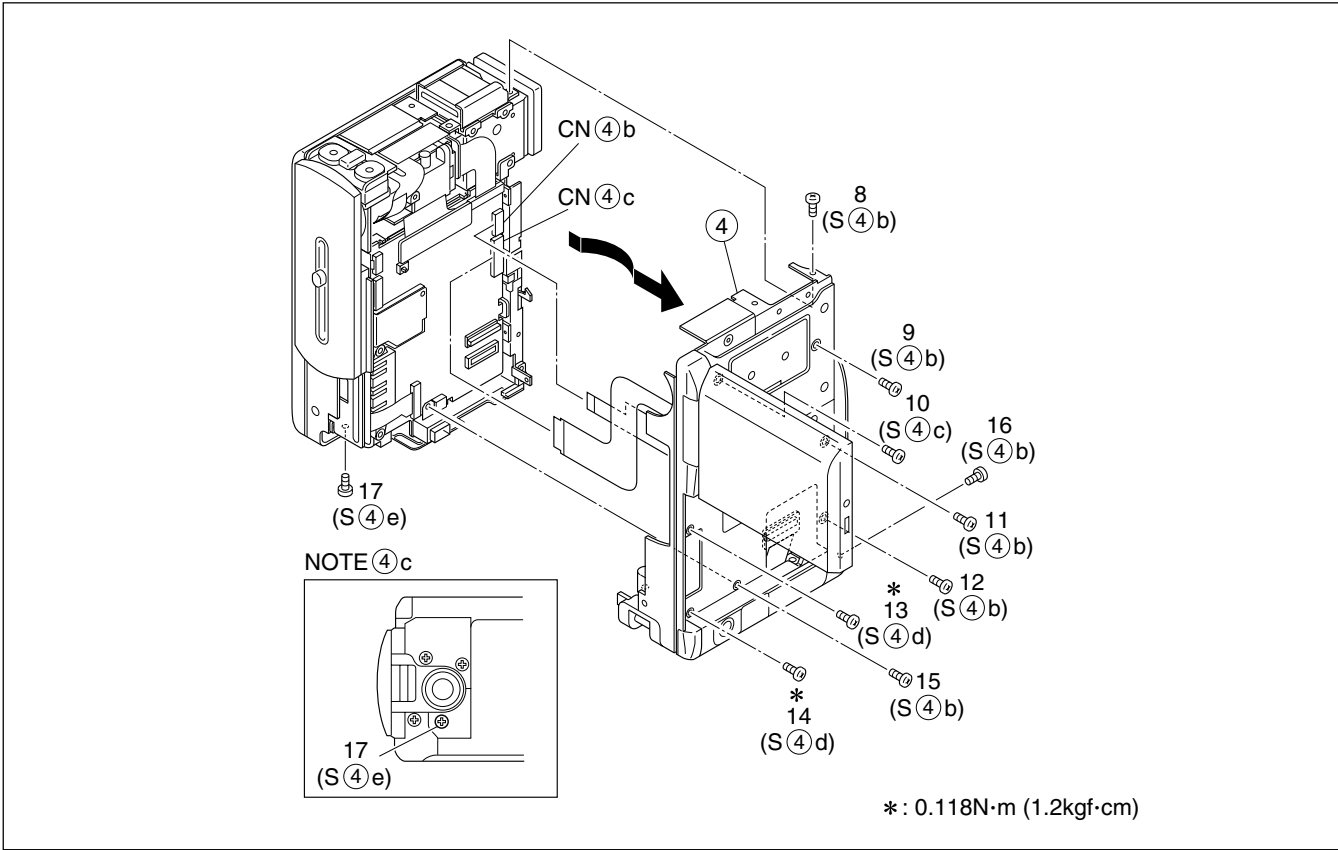


Fig. 1-3-3b

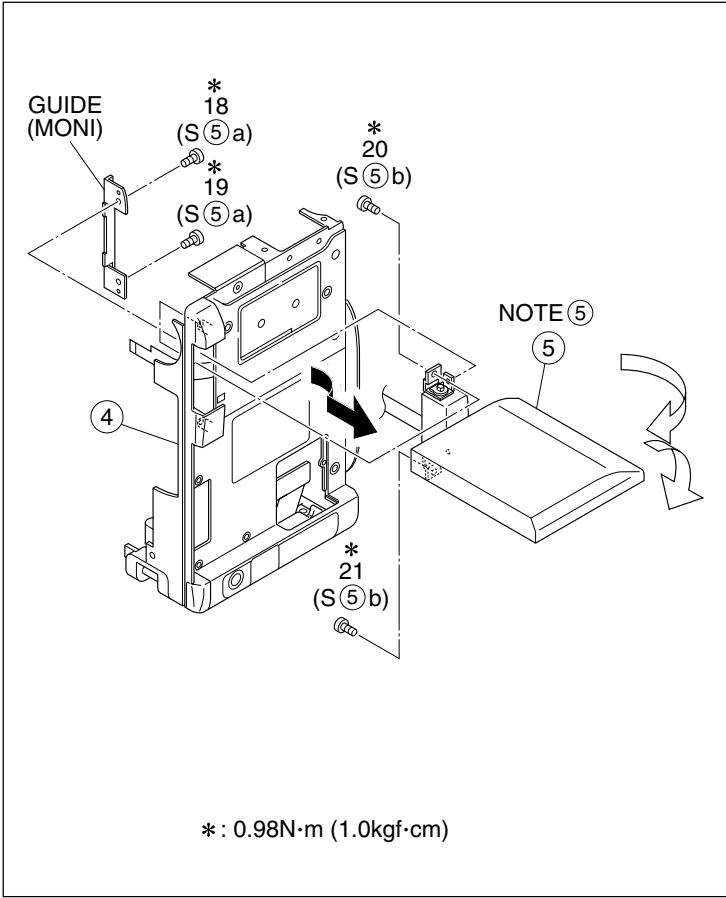


Fig. 1-3-4

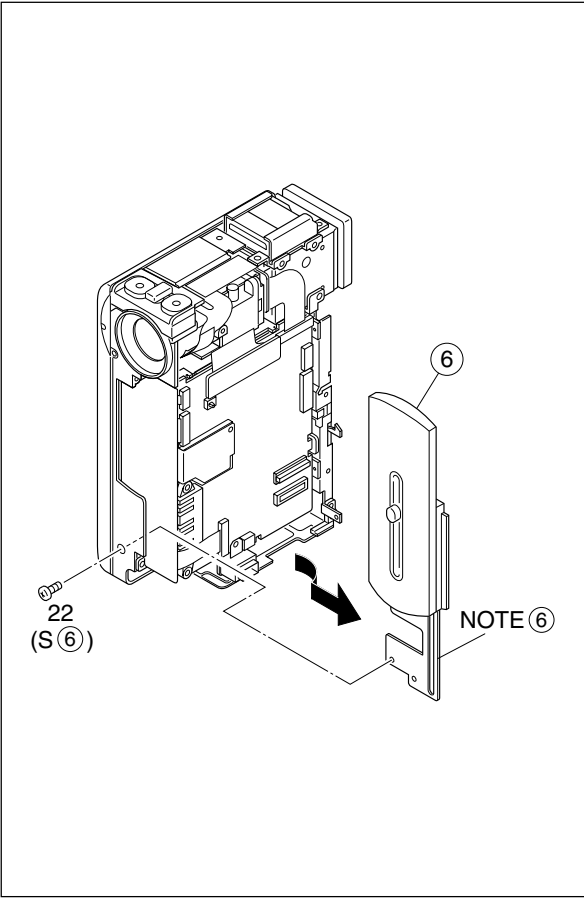


Fig. 1-3-5

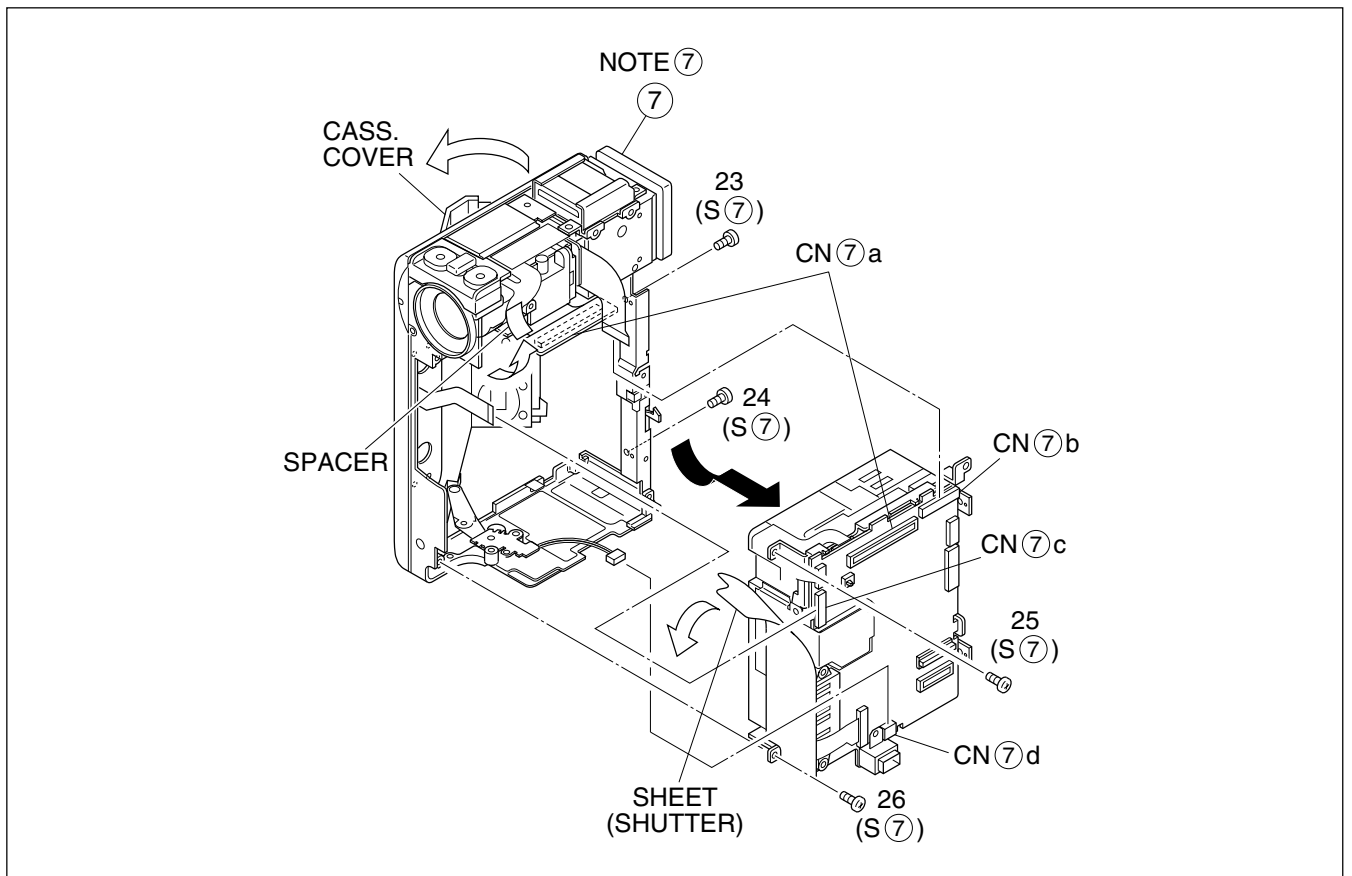


Fig. 1-3-6

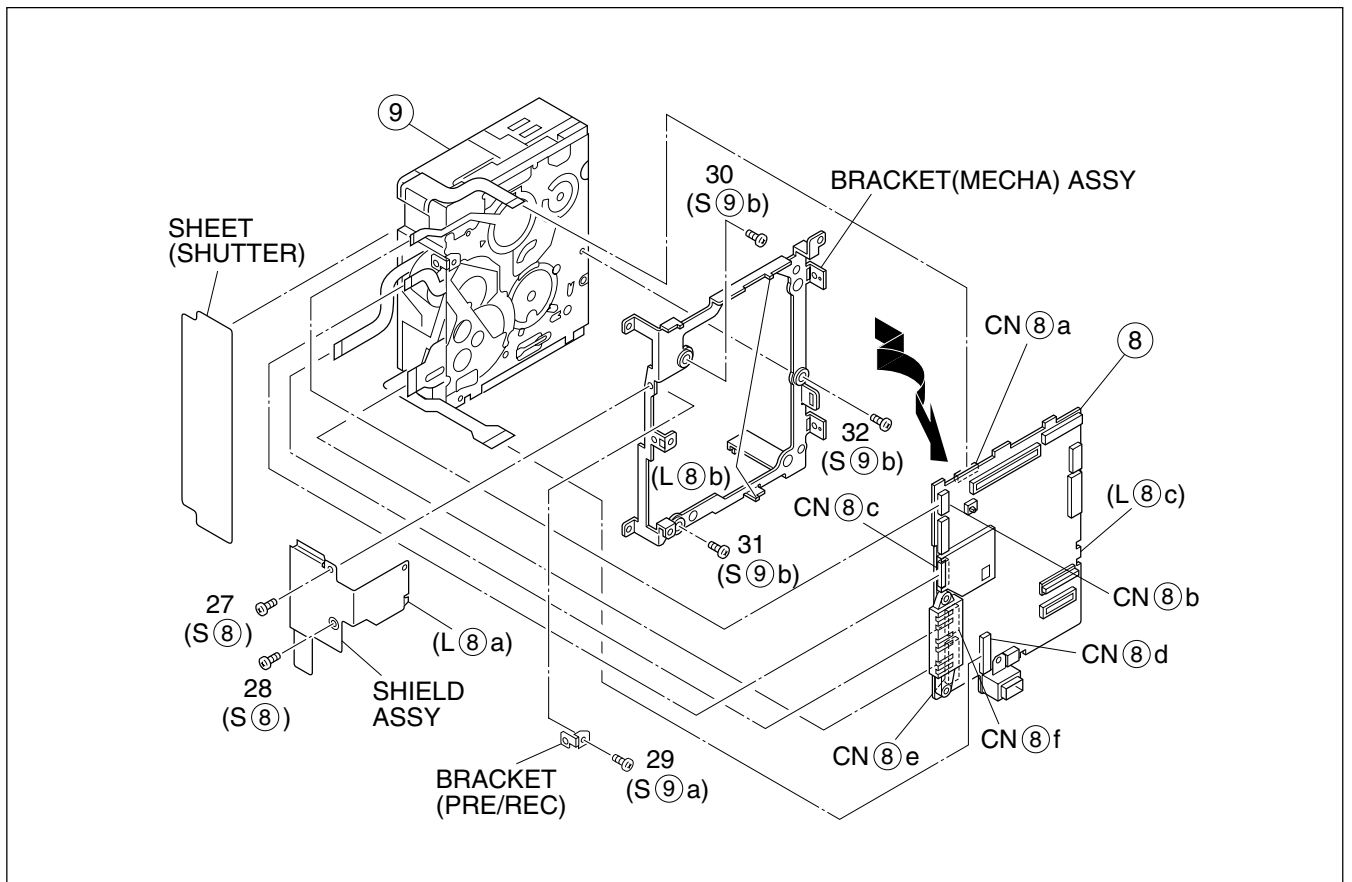


Fig. 1-3-7

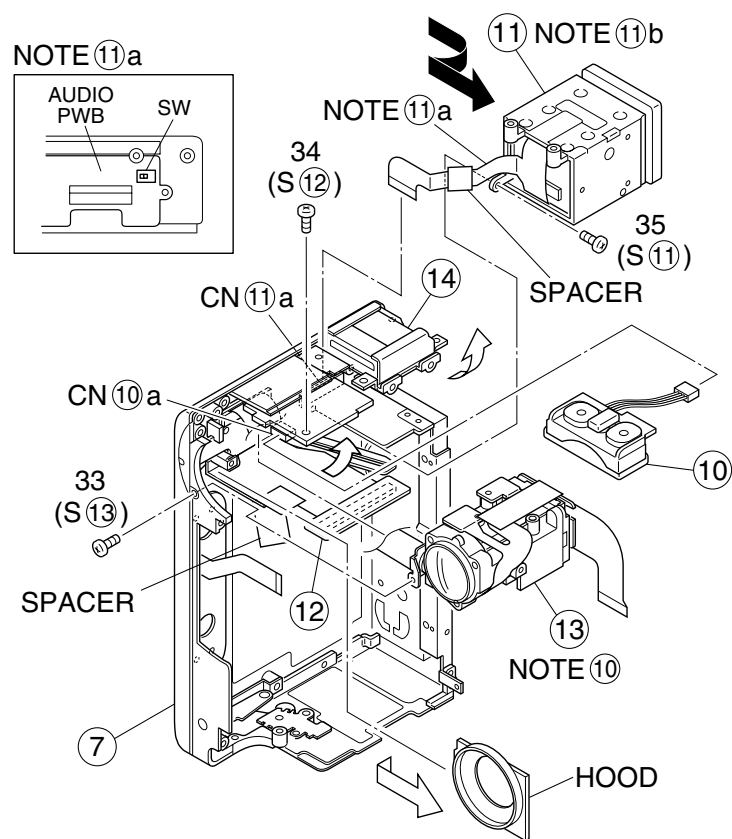


Fig. 1-3-8a

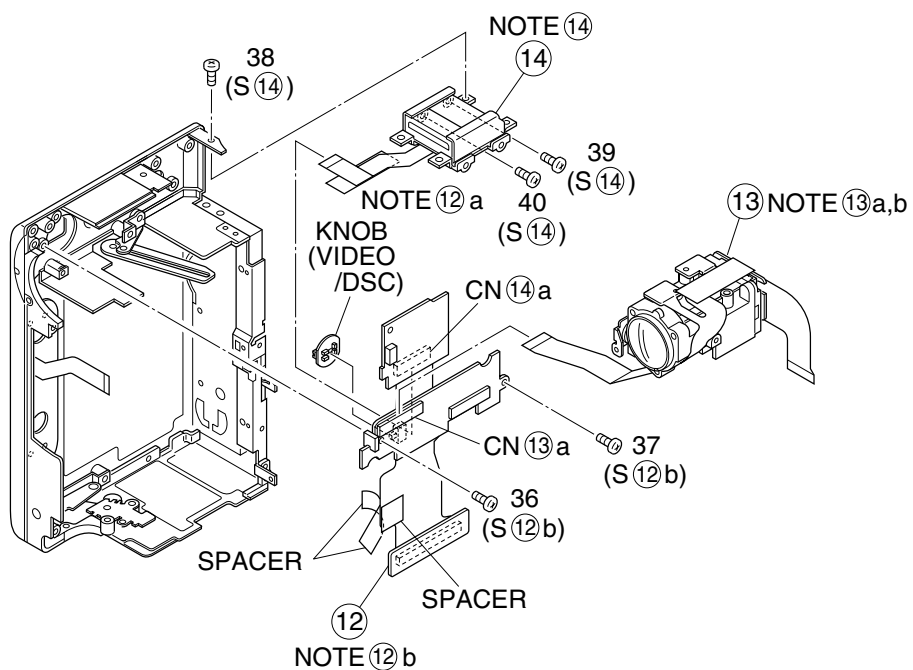


Fig. 1-3-8b

1.4 DISASSEMBLY OF ⑤ MONITOR ASSEMBLY

1.4.1 ⑤ Monitor assembly/Hinge assembly

1. Remove the three screws (1 to 3) and then remove the monitor cover by disengaging the two hooks (L⑤a, L⑤b) at the top and bottom.

Note⑤a: Be careful not to lose part (Rib).

2. Pull out the part (sensor) from the monitor case assembly.

3. Disconnect FPC from the connector CN⑤a and then remove the MONITOR board assembly and backlight.

Note⑤b: When removing the parts out of the monitor case assembly, be very careful not to damage the FPC and parts.

Note⑤c: Remove the MONITOR board assembly and backlight together unless it is needed to separate them from each other for part replacement, etc., because the two are soldered to each other.

4. Take out the LCD module, back light and monitor board assembly from the monitor case assembly. Be careful with the hooks (L⑤e, L⑤f) on the two sides. Disconnect the FPC assembly from the connector (CN5b) and remove the LCD module. Be careful with the hooks (L⑤g, L⑤h) on the two sides.

1.4.2 Hinge assembly

1. Remove the two screws (4,5) to take out the FPC assembly while removing the hinge cover.

Note⑤d: Be careful not to lose any part during the above-mentioned process.

2. Remove the hinge cover (U) from hinge assembly.

Note⑤e: Be careful not to lose any part during the above-mentioned process.

Note⑤f: When reassembling, wind the FPC assembly around the hinge assembly by three turns and a half. Be careful not to break the FPC wire during the work.

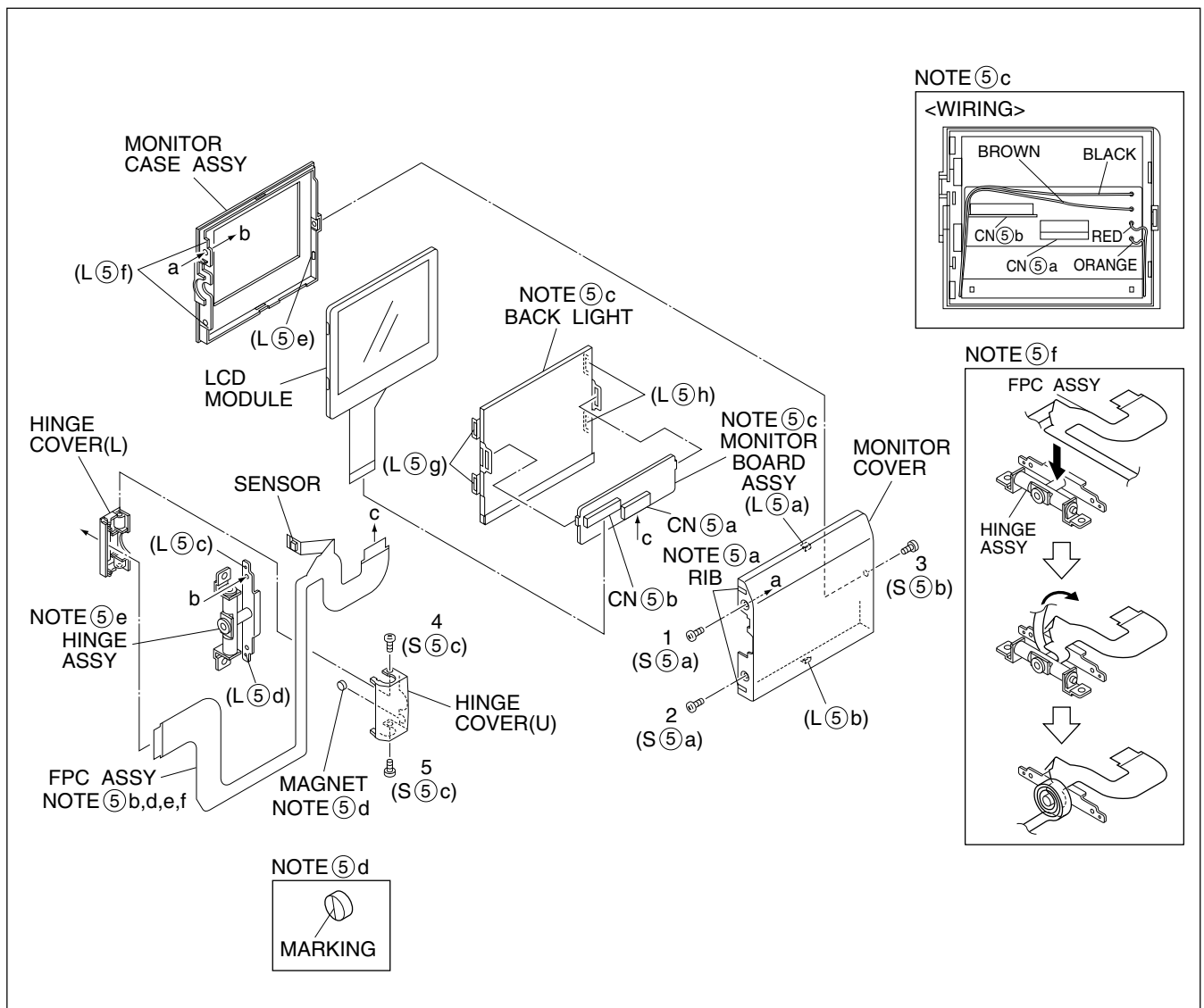


Fig. 1-4-1

1.5 DISASSEMBLY OF ⑪ E. VF ASSEMBLY

1.5.1 ⑪E. VF assembly

Note⑪a: When disassembling the E. VF assembly, remove the frame (VF) from the case/cap assembly depending on the situation.

Note⑪b: Be very careful not to get the inside of the VF soiled or dusty during and after disassembling the E. VF assembly.

1. Draw the frame (VF) out of the case assembly.
2. Remove the eyecup and pull out the guide (VF).

<Case assembly>

3. While holding the guide (VF), pull out the case assembly, remove the two screws (1, 2) and remove the cap (VF).
4. Remove the three screws (3-5) and draw out the eye-piece sub assembly.

Note⑪c: A lens assembly and a lever are mounted on the eye-piece sub assembly. When removing this assembly, be careful not to damage them.

5. Draw out the guide (VF).

<Frame (VF)>

6. Remove the screw (6) first and then LCD module/holder (LCD).

7. Get the two hooks (L⑪a, L⑪b) disengaged and then remove the holder (LCD).

Note⑪d: Carefully proceed with the above-mentioned work not to damage any part.

8. Disconnect the connector (CN⑪b) and remove the LCD module.

Note⑪e: Pay heed the parts not to damage any thing.

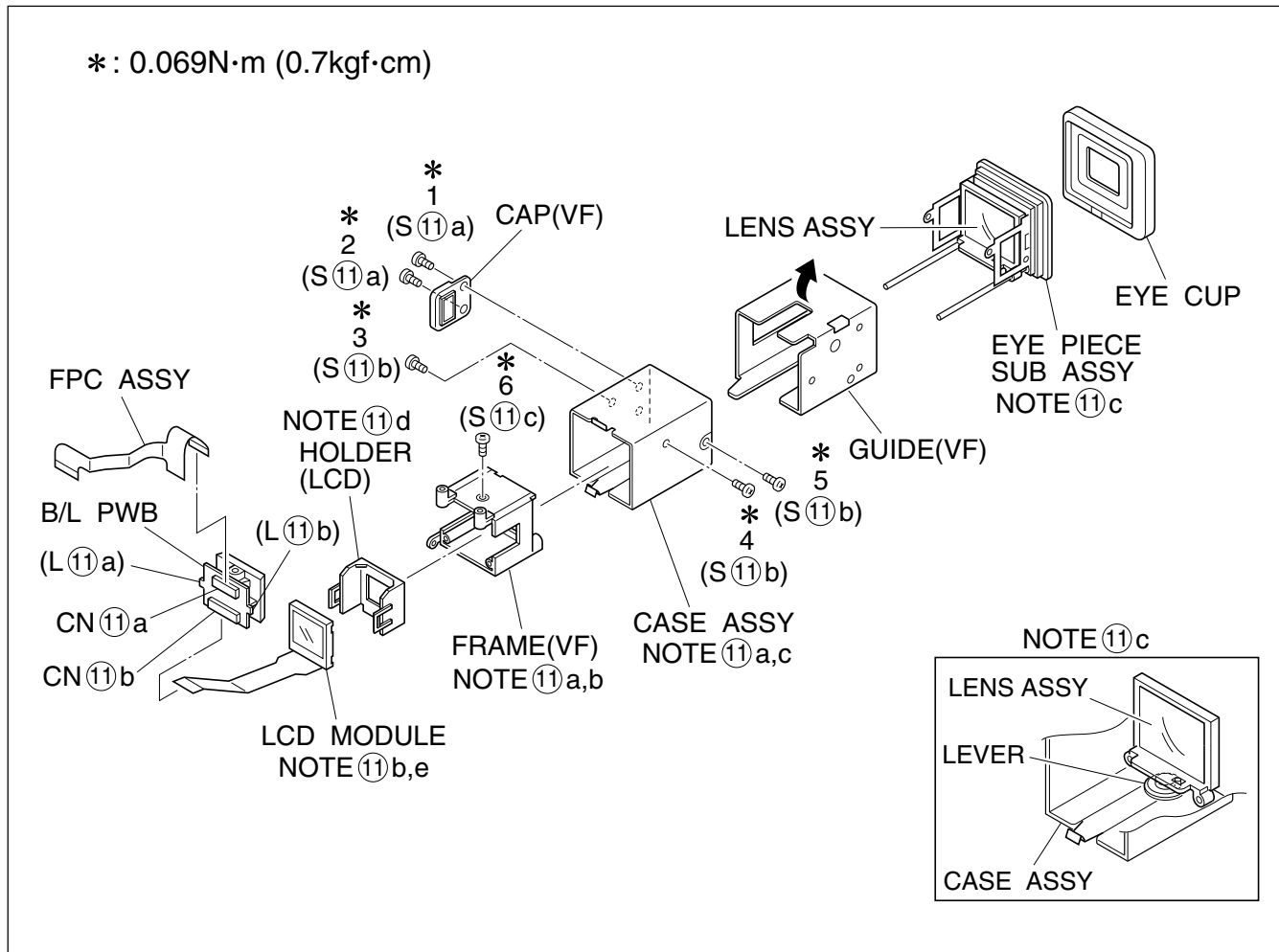


Fig. 1-5-1

1.6 DISASSEMBLY OF ⑬ OP BLOCK ASSEMBLY/CCD BOARD ASSEMBLY

1.6.1 Precautions

1. Carefully handle the CCD image sensor, optical LPF, lens, etc. during the disassembly work. Pay the most careful attention to the surface of those parts not to get it soiled, scratched or dusty. If some of those surfaces gets soiled with fingerprints, etc., wipe it out with silicone paper, clean chamois, cleaning cloth or the like.
2. The new CCD image sensor is occasionally shipped from the factory as a protection seal is applied onto its transparent glass. If so, leave the protection seal as it is and remove it just before installing the CCD image sensor in the OP block assembly.

1.6.2 How to remove OP block assembly and CCD board assembly

1. Remove the spacer.
2. Unsolder at the fourteen points (SD1) and remove the CCD board assembly.
3. Remove the two screws (1, 2) and then remove the CCD base assembly.

Note⑬a: Carefully remove the CCD base assembly, because the space rubber and optical LPF may be removed together with the CCD image sensor.

Note⑬b: When replacing the CCD image sensor, don't replace it individually but replace the CCD base assembly in whole with a new one.

1.6.3 How to install ⑬ OP block assembly and CCD board assembly

1. Install the optical LPF with the ⑬ OP block assembly.
2. With the spacer rubber left attached to the CCD base assembly, install the assembly in the OP block assembly and clamp it using the two screws (1, 2).
3. Set the CCD board assembly in the CCD base assembly, and fasten it by soldering at the fourteen points (SD1).

1.6.4 Replacement of service parts

Service parts to be supplied for the OP block assembly are as follows.

When replacing a part, be very careful not to get the FPC wire broken or damaged by soldering (overheating).

1. Focus motor
2. Zoom motor
3. Iris motor unit

Note⑬c: When soldering the FPC wire of the focus motor or zoom motor during the replacement work, be sure to keep the tip of a soldering iron approximately 1 mm above the terminal.

Note⑬d: The iris motor unit includes one FPC assembly and two sensors.

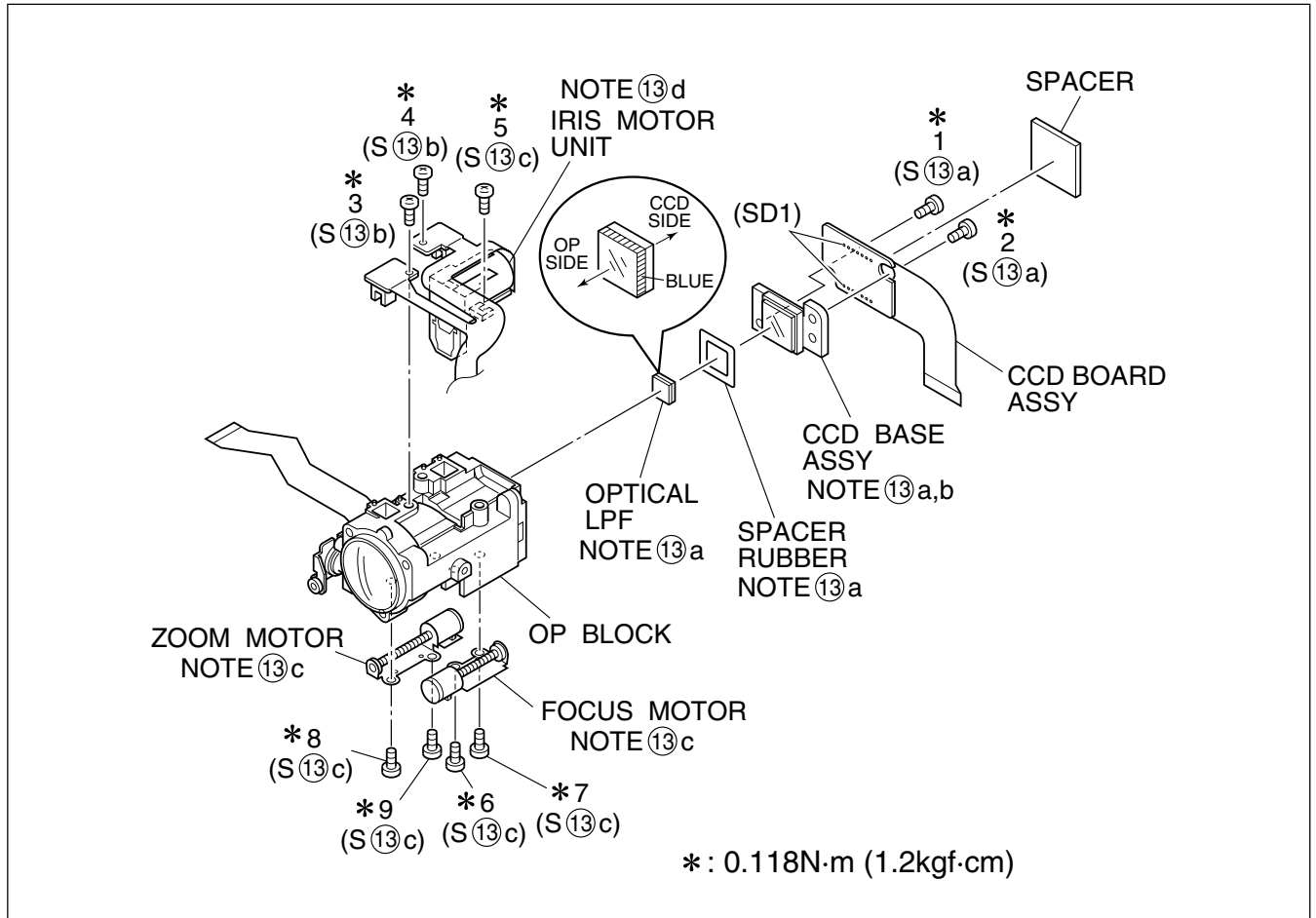


Fig. 1-6-1

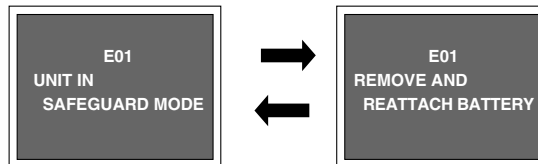
1.7 EMERGENCY DISPLAY

Whenever some abnormal signal is input to the syscon CPU, an error number (E01, as an example) is displayed on the LCD monitor or (in the electronic view finder).

In every error status, such the message as shown below alternately appear over and over.

- In an emergency mode, all operations except turning on/off the POWER switch are ineffectual.

Example (in case of the error number E01):



LCD display	Emergency mode	Details	Possible cause
E01	LOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the loading direction for 4 seconds or more. This error is defined as [E01].	- The mechanism is locked during mode shift. - The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift. - No power is supplied to the loading MDA.
E02	UNLOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the unloading direction for 4 seconds or more. This error is defined as [E02].	- The mechanism is locked during mode shift. - The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift.
E03	TU & SUP REEL FG	In the case no REEL FG is produced for 4 seconds or more in the capstan rotation mode after loading was complete, the mechanism mode is shifted to STOP with the pinch roller set off. This error is defined as [E03]. However, no REEL EMG is detected in the SLOW/STILL mode.	- The idler gear does not engage with the reel disk well. - Though the idler gear and reel disk are engaged with each other, the tape is not wound because of overload to the mechanism. - No FG pulse is output from the reel sensor. - No power is supplied to the reel sensor. - Tape transport operation takes place with a cassette having no tape inside. - The tape slackens and no pulse is produced until the slack is taken up and the tape comes into the normal status.
E04	DRUM FG	In the case there is no DRUM FG input in the drum rotation mode for 4 seconds or more. This error is defined as [E04], and the mechanism mode is shifted to STOP with the pinch roller set off.	- The drum cannot be started or drum rotation is stopped because tape transport load is too high. - Tape tension is extremely high. - The tape is damaged or soiled with grease, etc. - The DRUM FG signal is not received by the syscon CPU. - Disconnection in the middle of the signal line. - Failure of the DRUM FG pulse generator (hall element). - No drum control voltage is supplied to the MDA. - No power is supplied to the DRUM MDA.
E05	—	—	—
E06	CAPSTAN FG	In the case no CAPSTAN FG is produced in the capstan rotation mode for 2 seconds or more. This error is defined as [E06], and the mechanism mode is shifted to STOP with the pinch roller set off. However, no CAPSTAN EMG is detected in the STILL/FF/REW mode.	- The CAPSTAN FG signal is not received by the syscon CPU. - Disconnection in the middle of the signal line. - Failure of the CAPSTAN FG pulse generator (MR element). - No capstan control voltage is supplied to the MDA. - No power is supplied to the CAPSTAN MDA. - The capstan cannot be started or capstan rotation is stopped because tape transport load is too high. - Tape tension is extremely high. (Mechanical locking) - The tape is damaged or soiled with grease, etc. (Tape tangling occurs, etc.)

(DVC_03)

Table 1-7-1

1.8 SERVICE KNOW-HOW

When performing disassembly/assembly work to this model, the parts that are most complicated and require special attention are the E. VF unit and the AUDIO board, OP block and shoe assemblies, all of which are mounted inside the lower case assembly.

Care should be taken in handling these parts as they are mounted inside the lower case assembly (except the E.VF unit) and there is a lack of adequate space to work conveniently. This section gives further details regarding the disassembly procedures, although they have been described in previous sections.

1. See Fig. 1-8-1.

- (1) Remove the hood by moving the ⑩ microphone out of way.
- (2) Peel off the spacer, remove the screw (32) and take out the ⑬ OP block assembly by moving the ⑩ microphone out of the way.
- (3) Remove the screw (33) and, while opening the ⑫ AUDIO board assembly, disconnect the wire from the connector (CN203) and remove the ⑩ microphone.
- (4) Remove the screw (34), peel off the spacer, take out the ⑪ E.VF assembly by moving the ⑭ shoe assembly out of way, disconnect the FPC from the connector (CN204).

Note ⑩,⑪: Be careful not to damage the FPC or the switches when carrying out this work.

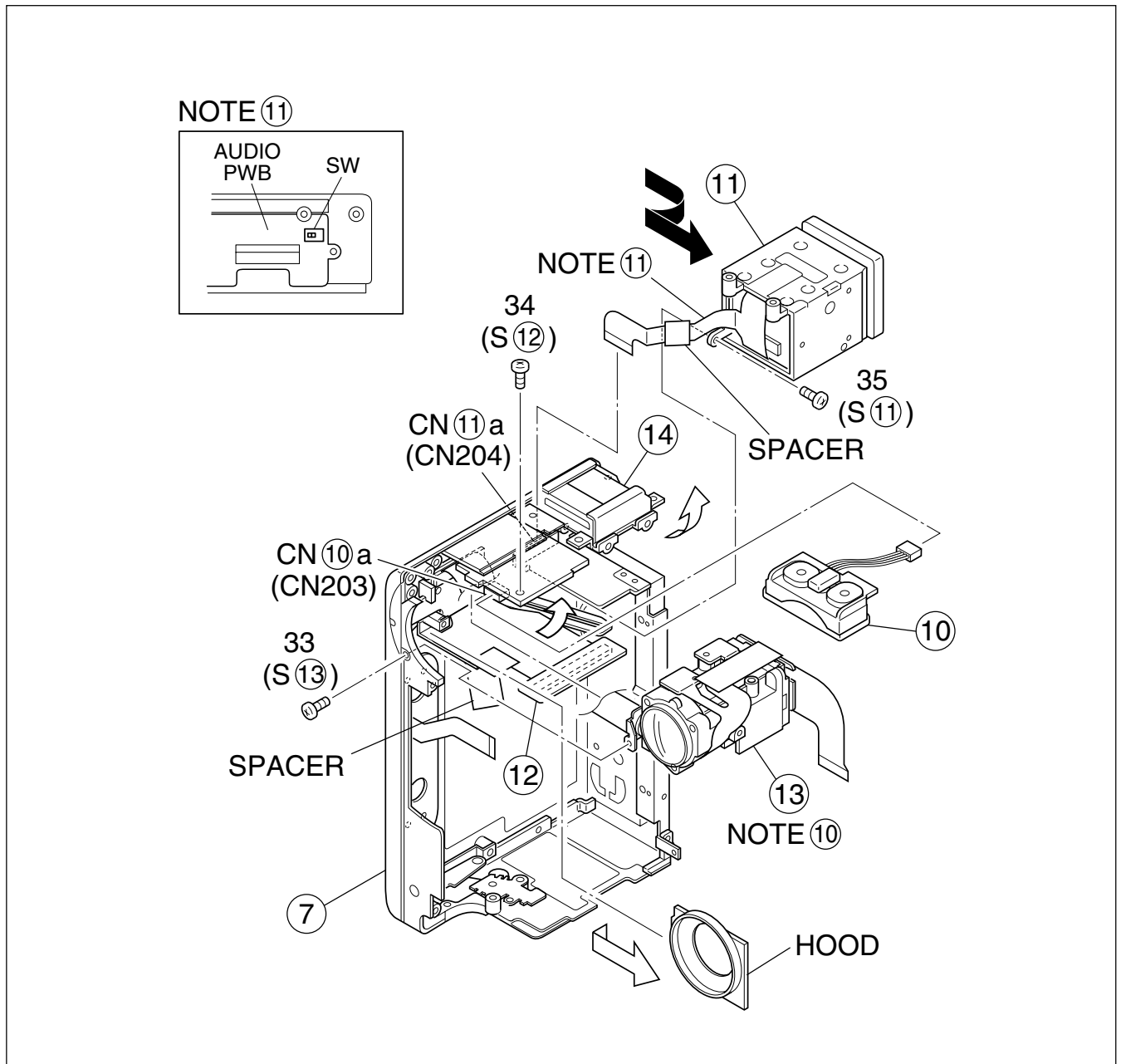


Fig. 1-8-1

2. See Fig. 1-8-2.

- (1) Remove the two screws (35,36) in order to free the ⑫ AUDIO board assembly.
- (2) Remove the three screws (37 to 39), peel off the spacer and take out the ⑫ AUDIO board assembly together with the ⑬ OP block assembly and the ⑭ shoe assembly.

Note⑫: *Be careful not to lose the VIDEO and DSC knobs, which may slip out during the disassembly.*

- (3) Disconnect the FPCs from the connectors on the ⑬ OP block assembly and the ⑭ shoe assembly.

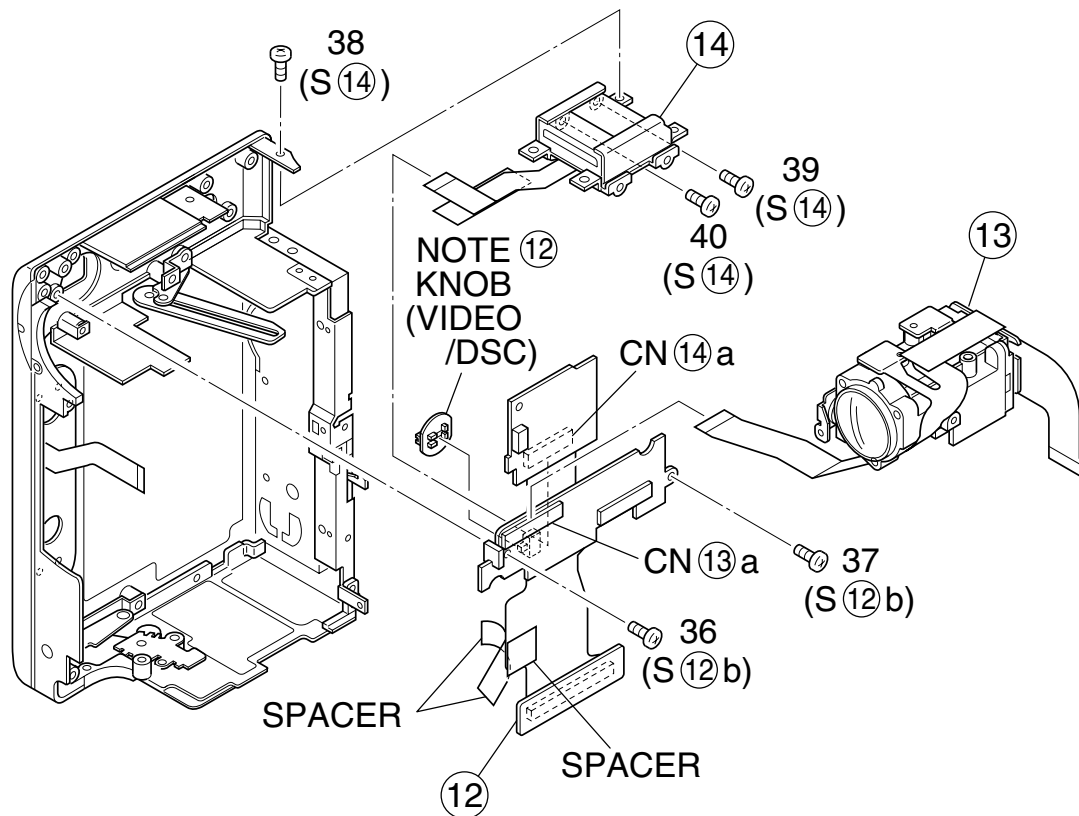


Fig. 1-8-2

1.9 SERVICE NOTE

Symbol No.	①	②	③	④	⑤
Removing order of screw	1	2	3	4	5
Place to stick screw					
Reference drawing	Fig.1-3-1	Fig.1-3-2	Fig.1-3-3a	Fig.1-3-3b	Fig.1-3-4
Screw tightening torque	I				III

Symbol No.	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭
Removing order of screw	22	23	24	25	26	27	28	29	30
Place to stick screw									
Reference drawing	Fig.1-3-5	Fig.1-3-6	Fig.1-3-7	Fig.1-3-8a	Fig.1-3-8b				
Screw tightening torque	I								

⑤ MONITOR ASSY	⑪ E. VF UNIT
Removing order of screw	1
Place to stick screw	2
Reference drawing	Fig.1-5-1
Screw tightening torque	IV

⑬ OP BLOCK ASSY
1
2
3
4
5
6
7
8
9
Fig.1-6-1
II

< NOTE >

- 1) *: Don't reuse the screw, because screw lock bond was applied to them.
- 2) Pay careful attention to tightening torque for each screw.

I : 0.078N·m (0.8kgf·cm)	II : 0.118N·m (1.2kgf·cm)	III : 0.098N·m (1.0kgf·cm)
IV : 0.069N·m (0.7kgf·cm)		

SECTION 2

MECHANISM ADJUSTMENT

2.1 PRELIMINARY REMARKS ON ADJUSTMENT AND REPAIR

2.1.1 Precautions

1. When fastening parts, pay careful attention to the tightening torque of each screw. Unless otherwise specified, tighten a screw with the torque of 0.039 N·m (0.4 kgf·cm).
2. Be sure to disconnect the set from the power supply before fastening and soldering parts.
3. When disconnecting/connecting wires, be careful not to get them and their connectors damaged. (Refer to the Section 1.)
4. When replacing parts, be very careful neither to damage other parts nor to fit wrong parts by mistake.

2.1.2 Notes on procedure for disassembly/assembly

The disassembling procedure table (Table 2-4-1 on page 2-5,a part of the table is shown below for reference)shows the procedure to disassemble/reassemble mechanism parts.

Carefully read the following explanation before starting actual disassembling/reassembling work. The item numbers (circled numbers)in the following explanation correspond to those appearing under respective columns of the table.

- (1) Circled numbers appearing in this column indicate the order to remove parts. When reassembling, follow these numbers in the reverse order. Circled numbers in this column correspond to those appearing in drawings of this section.
- (2) This column shows part names corresponding to circled numbers in the left column.
- (3) The symbol (T or B)appearing in this column shows the side which the objective part is mounted on.
T =the upper side, B =the lower side
- (4) Symbols appearing in this column indicate drawing numbers.
Step Part Name Fig. Point Note Remarks

- (5) This column indicates parts and points such as screws, washers,springs,and others to be removed/fitted for disassembling/reassembling the mechanism. Besides such the parts, this column occasionally indicates working points.

P = Spring
W = Washer
S = Screw
* = Lock (L),soldering (SD),shield,connector (CN), etc.

- Example
- Remove ((W1)=Washer W1.
 - **Remove the solder at (SD1)=Point SD1.
 - **Disconnect (A) =Connector (A) .
- (6) Numbers in this column represent the numbers of notes in the text.
(For parts that need phase adjustment after reassembling, refer to “2.6 MECHANISM ADJUSTMENTS”.)
 - (7) This column indicates required after-disassembling/-reassembling work such as phase adjustment or mechanism adjustment.

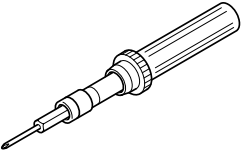
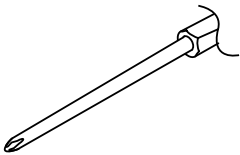
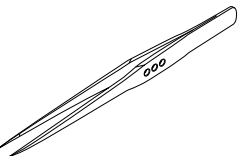
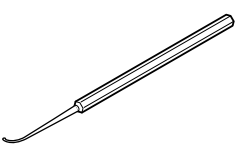
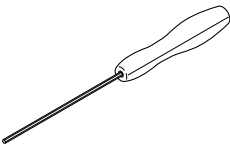
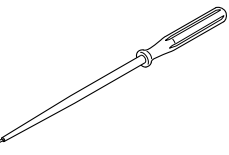
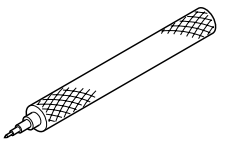
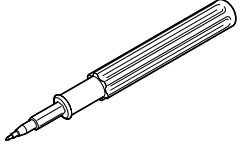
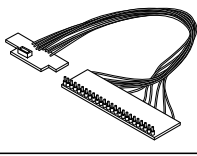
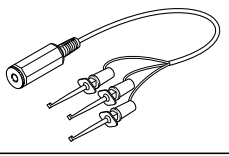
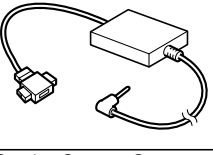
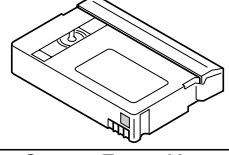
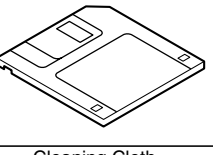
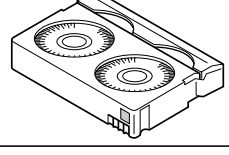
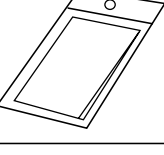
NO.	PART NAME		FIG.	POINT	NOTE	REMARKS
①	CASSETTE HOUSING ASSY	T	Fig.2-4-3	3(S①),(L①a)-(L①e)	NOTE①a,b,c,d	ADJUSTMENT
②	UPPER BASE ASSY	T	Fig.2-4-4	(S②),(L②a),(L②b)	NOTE②	
③	DRUM ASSY	T		(S③a),2(S③b)	NOTE③a,b	
④	REEL DISK ASSY(SUP)	T	Fig.2-4-5	(W④)	NOTE④a	
⑤	REEL DISK ASSY(TU)	T		(W⑤)	NOTE⑤	
⑥	REEL COVER ASSY	T		2(W⑥),2(S⑥a),(S⑥b)	NOTE⑥	ADJUSTMENT

↑
↑
↑
↑
↑
↑
↑

(1)
(2)
(3)
(4)
(5)
(6)
(7)

2.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

2.2.1 Tools required for adjustments

1	Torque Driver YTU94088	2	Bit YTU94088-003
			
3	Tweezers P-895	4	Chip IC Replacement Jig PTS40844-2
			
5	Guide Driver (Hexagonal) D-770-1.27	6	Adjustment Driver YTU94028
			
7	Slit Washer Installation Jig YTU94121A	8	Slit Washer Installation Jig YTU94121B
			
9	Jig Connector cable YTU93106C	10	Communication cable YTU93107A
			
11	PC cable QAM0099-002	12	Alignment Tape MC-2
			
13	Service Support System YTU94057-54	14	Cassette Torque Meter YTU94151A
			
15	Cleaning Cloth KSMM-01		
			

1. Torque Driver

Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.

2. Bit

This bit is slightly longer than those set in conventional torque drivers.

3. Tweezers

To be used for removing and installing parts and wires.

4. Chip IC Replacement Jig

To be used for adjustment of the camera system.

5. Guide Driver (Hexagonal)

To be used to turn the guide roller to adjustment of the linearity of playback envelope.

6. Adjustment Driver

To be used for adjustment.

7. Slit Washer Installation Jig

To be used to install slit washers.

8. Slit Washer Installation Jig (NEW TYPE)

To be used to install slit washers.

9. Jig Connector Cable

Connected to CN114 of the main board and used for electrical adjustment, etc.

10. Communication Cable

Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.

11. PC Cable

To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.

12. Alignment Tape

To be used for check and adjustment of interchangeability of the mechanism.

13. Service Support System

To be used for adjustment with a personal computer.

14. Cassette Torque Meter

This is used to check the back tension and play torque during mechanism adjustment.

Note: When using the cassette torque meter, install the service support system software in advance.

- LED : Forced to ON
- EJECT SW : OFF (Cancel)

The above setting is required to prevent any tape damage that may occur because the cassette torque meter cannot detect the leading/trailing sections of the tape.

15. Cleaning Cloth

Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

Table 2-2-1

2.3 DISASSEMBLY/ASSEMBLY OF MECHANISM ASSEMBLY

2.3.1 General statement

The mechanism should generally be disassembled/assembled in the C.IN mode (ASSEMBLY mode). (Refer to Fig. 2-3-1,2.)

However, when the mechanism is removed from the main body, it is set in the STOP mode. Therefore, after the mechanism is removed from the main body, supply 3 V DC to the electrode on the top of the loading motor to enter the mechanism mode into the C IN mode compulsory.

<Mechanism assembly/Cassette housing assembly>

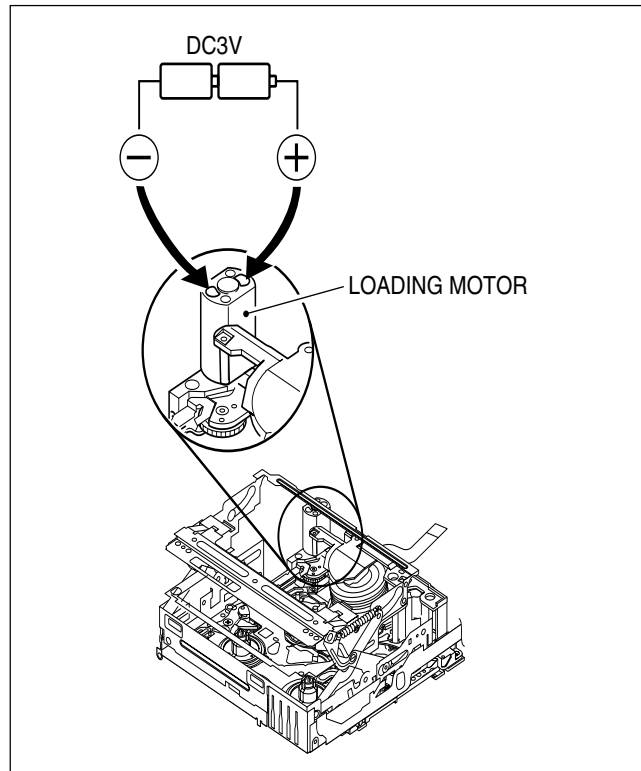


Fig. 2-3-1

<Back side of the mechanism assembly>

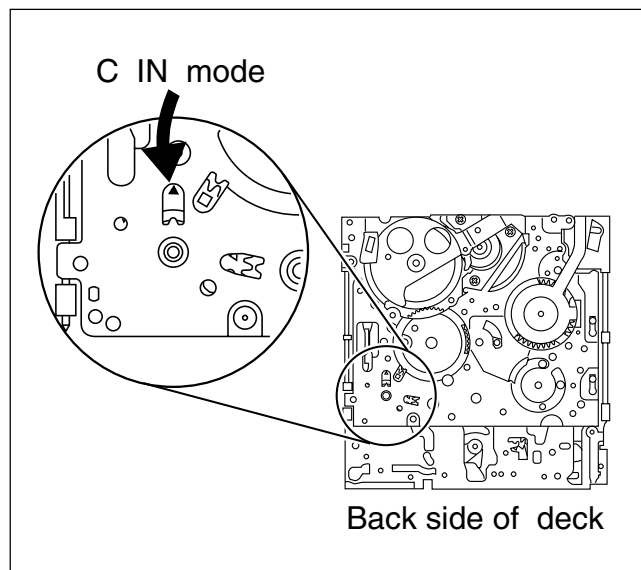


Fig. 2-3-2

2.3.2 Explanation of mechanism mode

The mechanism mode of this model is classified into five modes as shown in Table 2-3-1. Each mechanism mode can be distinguished from others by the relative position of "△", "○", "□" marks on the sub cam gear to the inner or outer protrusion on the main deck.

Refer to Fig. 2-3-3 to 2-3-8 below.

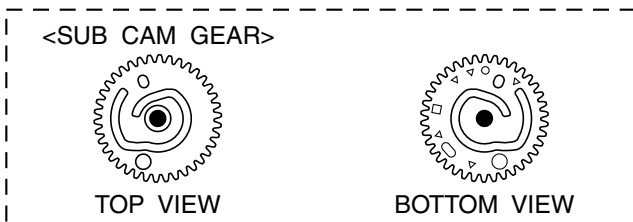


Fig. 2-3-3

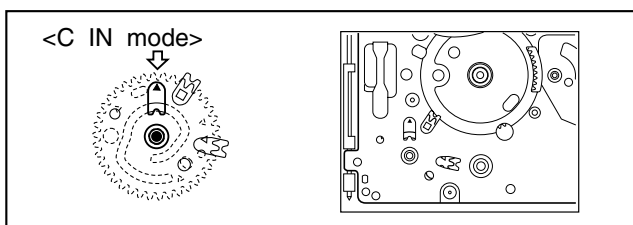


Fig. 2-3-4

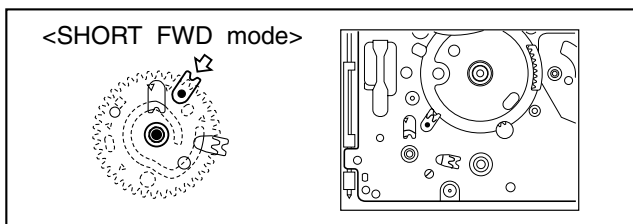


Fig. 2-3-5

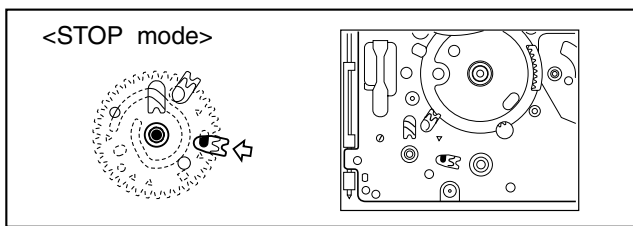


Fig. 2-3-6

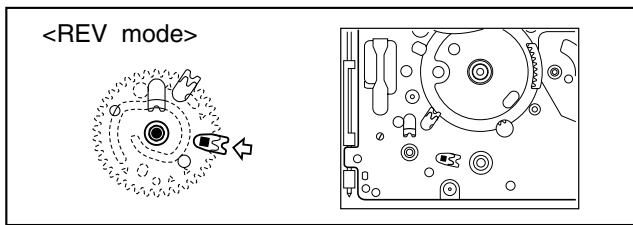


Fig. 2-3-7

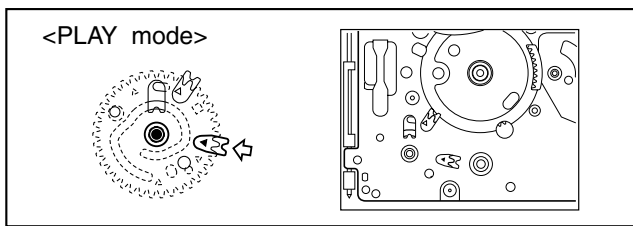


Fig. 2-3-8

2.3.3 Mechanism timing chart

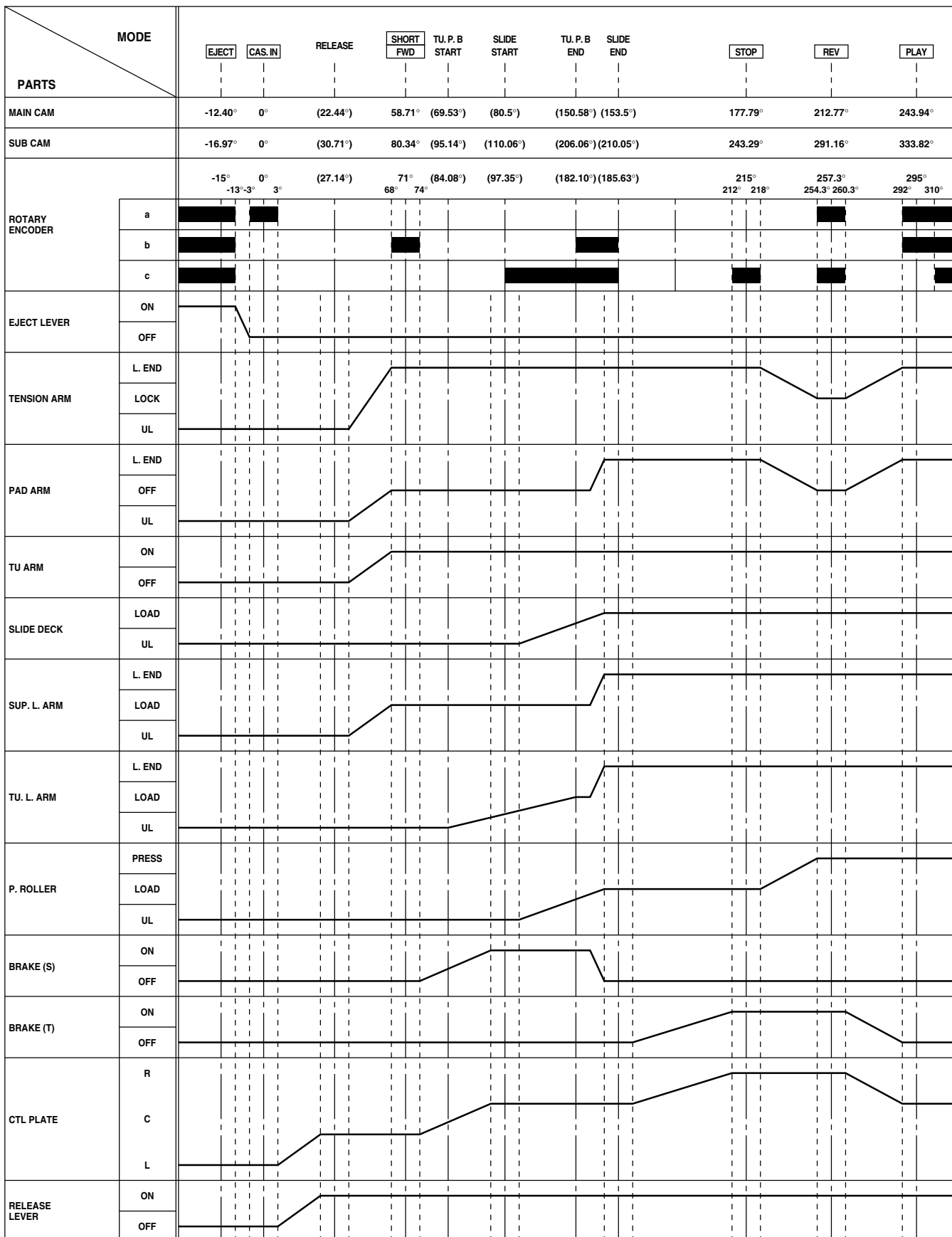


Table 2-3-1

2.4 DISASSEMBLING PROCEDURE TABLE

MARK: ★ After assembly, perform adjustments.

NO.	PART NAME		FIG.	POINT	NOTE	REMARKS
①	CASSETTE HOUSING ASSY	T	Fig.2-4-3	3(S①),(L①a)-(L①e)	NOTE①a,b,c,d	ADJUSTMENT
②	UPPER BASE ASSY	T	Fig.2-4-4	(S②),(L②a),(L②b)	NOTE②	
③	DRUM ASSY	T		(S③a),2(S③b)	NOTE③a,b	
④	REEL DISK ASSY(SUP)	T	Fig.2-4-5	(W④)	NOTE④	
⑤	REEL DISK ASSY(TU)	T		(W⑤)	NOTE⑤	
⑥	REEL COVER ASSY	T		2(W⑥),2(S⑥a),(S⑥b)	NOTE⑥	ADJUSTMENT
⑦	TENSION ARM ASSY	T	Fig.2-4-6	—	NOTE⑦	ADJUSTMENT / ★
⑧	SLANT POLE ARM ASSY	T		(P⑧)	NOTE⑧	ADJUSTMENT
⑨	TU ARM ASSY	T		—	NOTE⑨	ADJUSTMENT
⑩	SWING ARM ASSY	T		(S⑩)	NOTE⑩	ADJUSTMENT
⑪	SLIDE DECK ASSY	T	Fig.2-4-7a	2(S⑪a),(S⑪b),2(L⑪a), 2(L⑪b),(L⑪c)	NOTE⑪a,b	ADJUSTMENT / ★
⑫	PAD ARM ASSY	T	Fig.2-4-7b	(P⑫),(L⑫),(W⑫)	NOTE⑫	ADJUSTMENT / ★
⑬	SUP BRAKE ASSY	T	Fig.2-4-8	(P⑬),(L⑬),(S⑬)	NOTE⑬	ADJUSTMENT
⑭	TU BRAKE ASSY	T		(P⑭),(L⑭),(W⑭)	NOTE⑭	ADJUSTMENT
⑮	TENSION CTL LEVER ASSY	T		(W⑮)	NOTE⑮	ADJUSTMENT
⑯	CENTER GEAR	T		—	NOTE⑯	
⑰	PINCH ROLLER ARM F. ASSY	T	Fig.2-4-9	(W⑰)	NOTE⑰	
⑱	TENSION CTL PLATE ASSY	T		—	NOTE⑱	ADJUSTMENT
⑲	BRAKE CTL LEVER ASSY	T		—	NOTE⑲	ADJUSTMENT
⑳	MOTOR BRACKET ASSY	T		3(S⑳),(L⑳a),2(L⑳b)	NOTE⑳	ADJUSTMENT
㉑	GUIDE RAIL ASSY	T	Fig.2-4-10	2(W㉑),(S㉑),2(L㉑a),(L㉑b)	NOTE㉑	ADJUSTMENT
㉒	SLIDE LEVER 2 ASSY	T		—	NOTE㉒	ADJUSTMENT / ★
㉓	LOADING PLATE ASSY	T		(W㉓)	NOTE㉓	ADJUSTMENT
㉔	MODE GEAR	T		—	NOTE㉔	
㉕	EJECT LEVER	T	Fig.2-4-11	(W㉕)	NOTE㉕	ADJUSTMENT
㉖	BASE R ASSY	T		(S㉖a),(S㉖b),2(L㉖)	NOTE㉖	ADJUSTMENT
㉗	ROTARY ENCODER	T		2(S㉗)	NOTE㉗	PHASE ADJUSTMENT
㉘	GEAR COVER ASSY	T		(S㉘a),2(S㉘b)	—	
㉙	MAIN CAM ASSY	T	Fig.2-4-12	—	NOTE㉙	PHASE ADJUSTMENT
㉚	SLIDE ARM ASSY	T		—	NOTE㉚	ADJUSTMENT
㉛	CONNECT GEAR 2	T		—	NOTE㉛	
㉜	SUB CAM ASSY	T		(S㉜)	NOTE㉜	PHASE ADJUSTMENT
㉝	CONTROL ARM ASSY	T	Fig.2-4-13	—	NOTE㉝	ADJUSTMENT
㉞	REEL GEAR 1	T		—	NOTE㉞	
㉟ / ㊱	DRUM BASE ASSY/ CAPSTAN MOTOR	T		3(S㉟)	NOTE㉟a,b	ADJUSTMENT
㊲	CAPSTAN MOTOR	T		(S㊲)	NOTE㊲	ADJUSTMENT
㊳	MAIN DECK ASSY	T		—	—	

Table 2-4-1

< TOP VIEW >

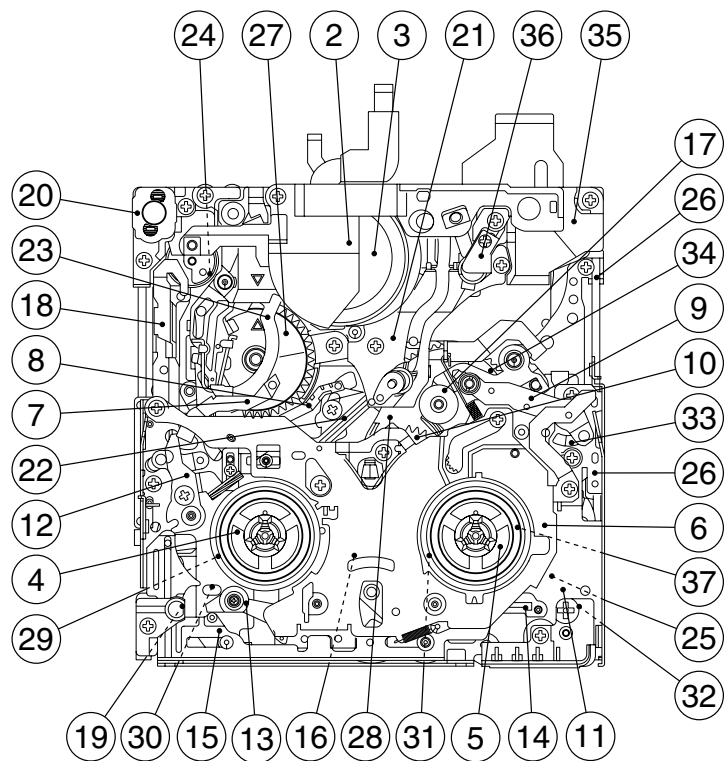


Fig. 2-4-1

< BOTTOM VIEW >

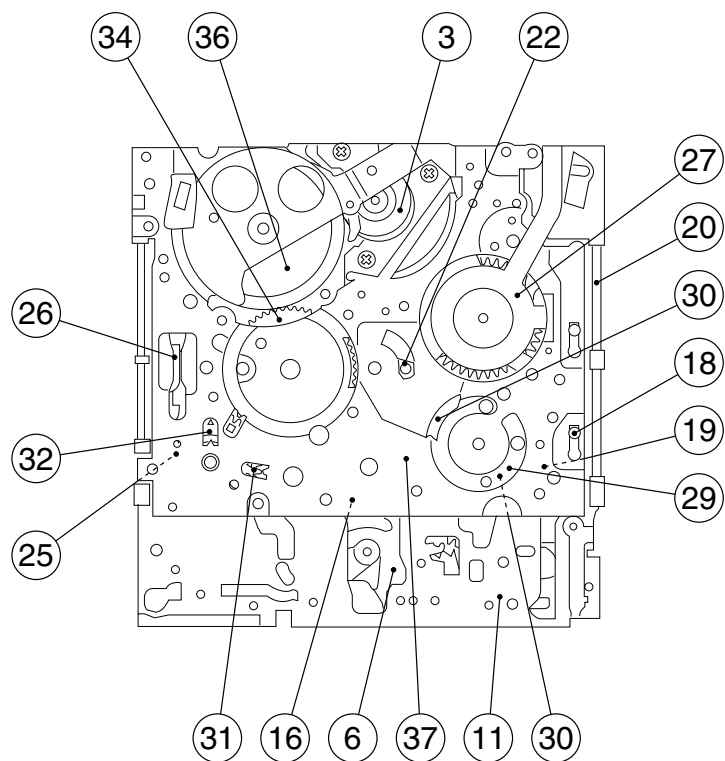


Fig. 2-4-2

2.4.1 Disassembly/assembly

1. ① CASSETTE HOUSING ASSY

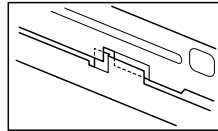
NOTE①a:

Be careful not to damage any of the parts during work.

NOTE①b:

Special care is required in mounting.

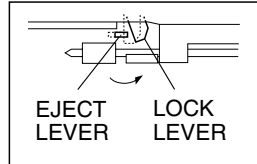
NOTE①b



NOTE①c:

When mounting, the CASSETTE HOUSING ASSY should be attached in the Eject status. Pay heed to the positions of the LOCK LEVER and EJECT LEVER during mounting.

NOTE①c



NOTE①d:

When mounting, be sure to locate the FPC in the gap.

NOTE①d

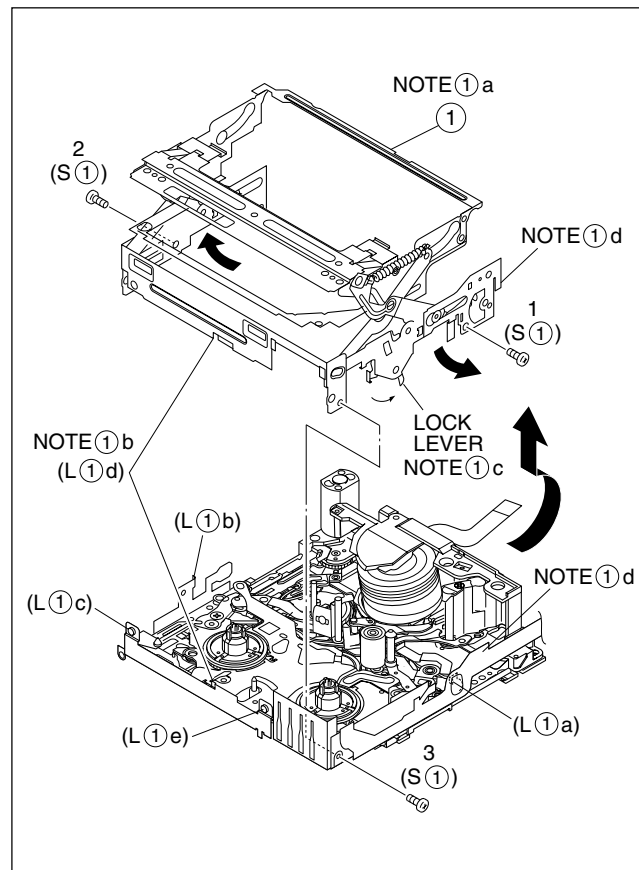
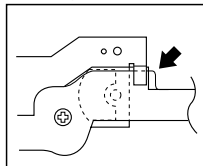


Fig. 2-4-3

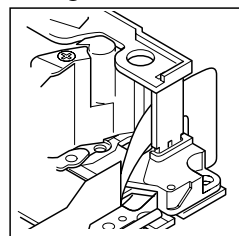
2. ② UPPER BASE ASSY

③ DRUM ASSY

NOTE②:

When mounting, be sure to insert the FPC reinforcing sheet.

NOTE②



NOTE③a:

Be mindful of scratches or damage during work.

NOTE③b:

Be careful not to attach screws incorrectly.

NOTE③b

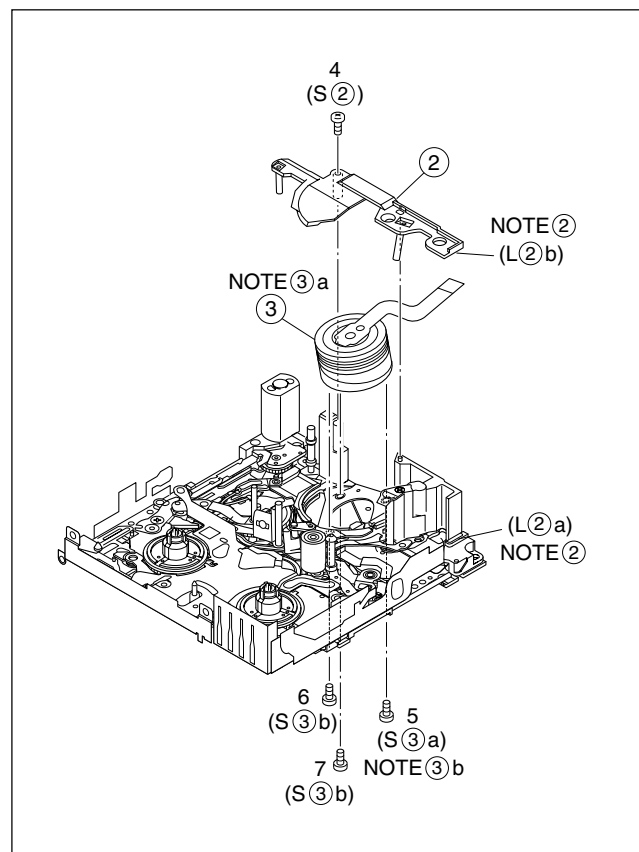
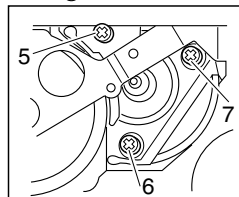


Fig. 2-4-4

3. ④ REEL DISK ASSY(SUP)
- ⑤ REEL DISK ASSY(TU)
- ⑥ REEL COVER ASSY

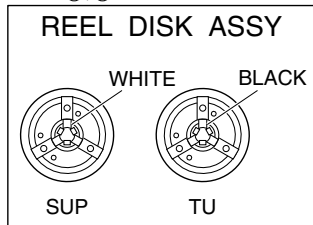
NOTE④:

Be careful not to attach the REEL DISK wrongly. The Supply side can be identified by the white color at the center.

NOTE⑤:

Be careful not to attach the REEL DISK wrongly. The Take-up side can be identified by the black color at the center.

NOTE④, ⑤



NOTE⑥:

Perform the following steps for mounting.

1. Align the 2 holes with the pins.
2. Attach the PINCH ROLLER ARM ASSY by aligning the positions.
3. Attach the SUB DECK ASSY by aligning the positions.
4. Check that the parts below them are located in the correct positions.
5. Tighten the 2 screws.
6. Tighten the screw.
7. Attach the 2 SLIT WASHER parts.

NOTE⑥

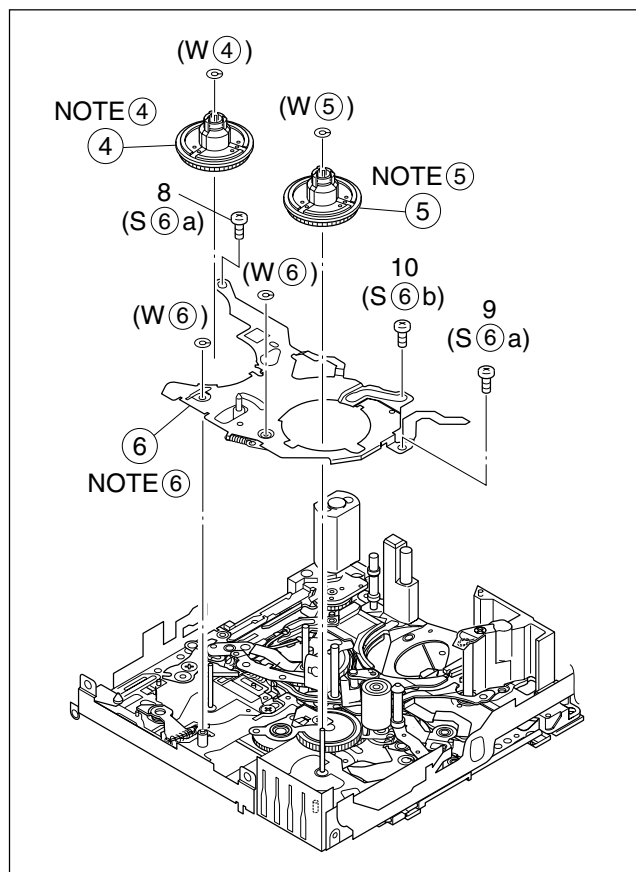
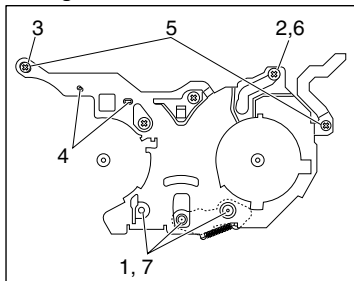


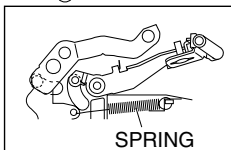
Fig. 2-4-5

4. ⑦ TENSION ARM ASSY
- ⑧ SLANT POLE ARM ASSY
- ⑨ TU ARM ASSY
- ⑩ SWING ARM ASSY

NOTE⑦:

When detaching, remove the spring of the ⑫ PAD ARM ASSY in advance. Pay attention to the attachment position.

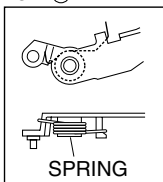
NOTE⑦



NOTE⑧:

Be careful not to lose any parts (such as a spring).

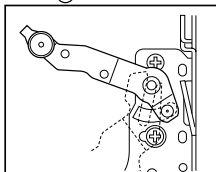
NOTE⑧



NOTE⑨:

Pay attention to the mounting position.

NOTE⑨



NOTE⑩:

When detaching, remove the screw then remove the SWING ARM ASSY by pulling it up and turning it.

NOTE⑩

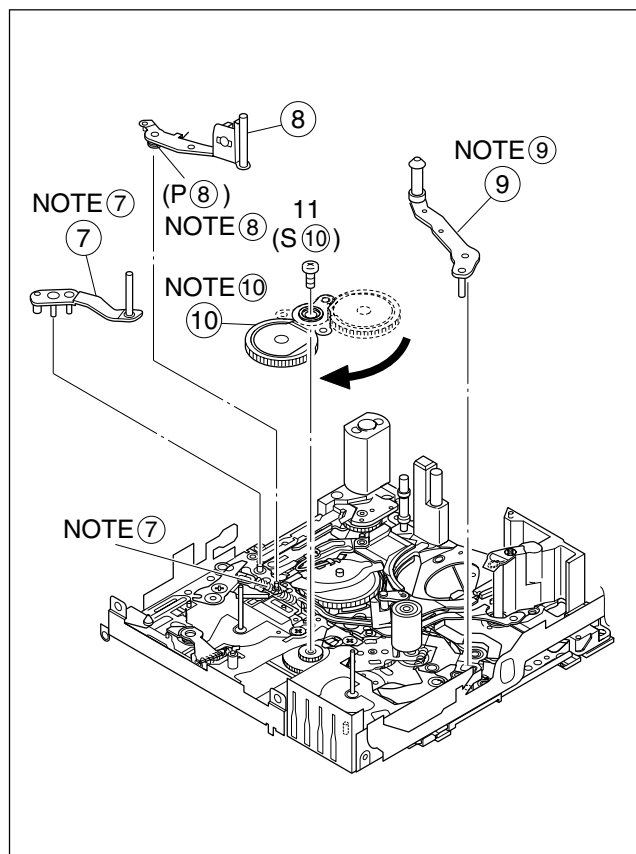
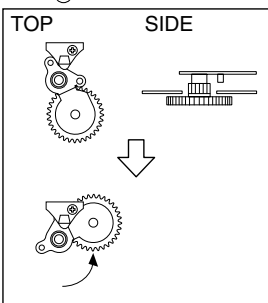


Fig. 2-4-6

5. ⑪ SLIDE DECK ASSY

NOTE⑪a:

Each of the parts on the SLIDE DECK ASSY can be replaced separately.

When detaching the assembly, if there is no need to replace any of its parts, remove the SLIDE DECK ASSY as it is.

NOTE⑪b:

When mounting, pay attention to the positions of the ⑫ SLIDE LEVER (2) studs and the ⑲ BRAKE CONTROL LEVER ASSY.

When mounting, position the CONTROL PLATE on the left side.

Pay attention to the position of the SLIDE GUIDE PLATE during mounting.

NOTE⑪b

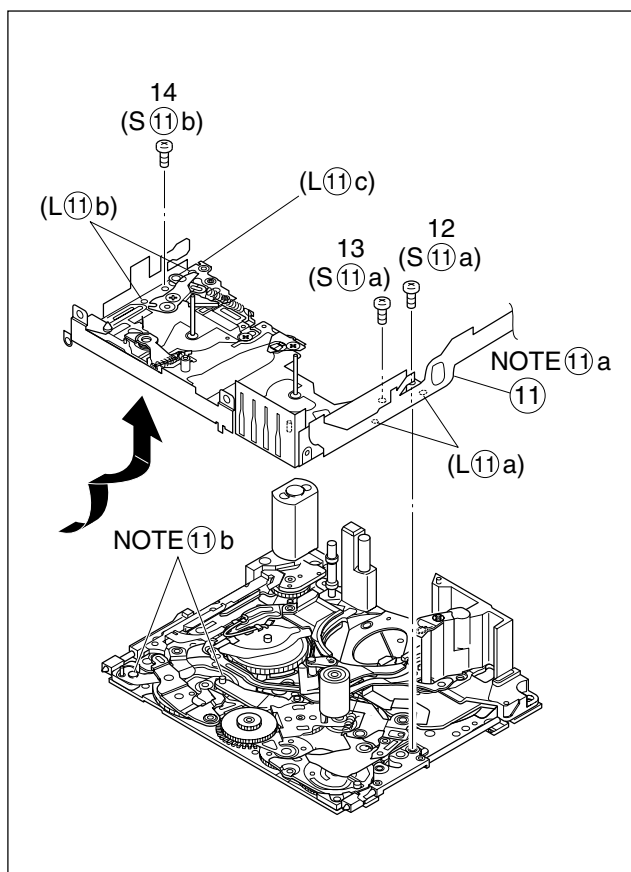
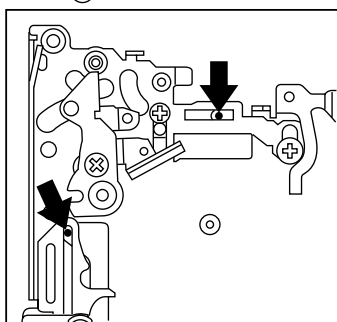


Fig. 2-4-7a

6. ⑫ PAD ARM ASSY

⑬ SUP BRAKE ASSY

⑭ TU BRAKE ASSY

NOTE⑫:

The spring may have already been disengaged when the ⑧ SLANT POLE ARM ASSY was removed.

NOTES⑬/⑭:

When mounting, pay attention to the correct positioning.

Mount the CONTROL PLATE by moving it fully toward the left side.

NOTE⑫ ⑬ ⑭

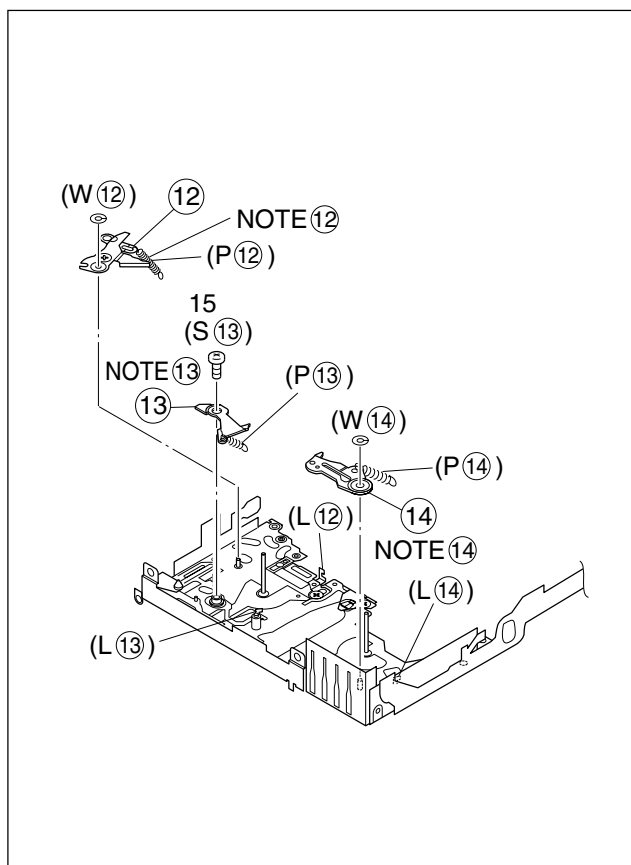
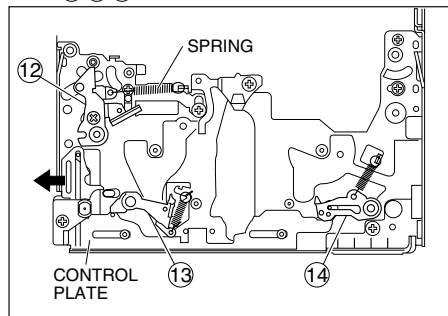
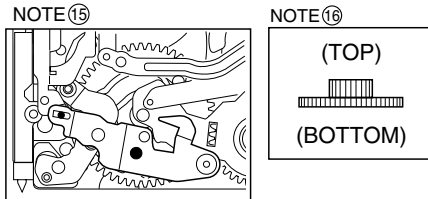


Fig. 2-4-7b

7. ⑮ TENSION CTL LEVER ASSY
- ⑯ CENTER GEAR
- ⑰ PINCH ROLLER ARM F. ASSY
- ⑱ TENSION CTL PLATE ASSY
- ⑲ BRAKE CTL LEVER ASSY

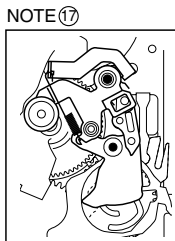
NOTES⑮/⑯:

When mounting, pay attention to the correct positioning.



NOTE⑰:

Take care against grease attachment during work.



NOTES⑱/⑲:

When mounting, pay attention to the correct positioning.

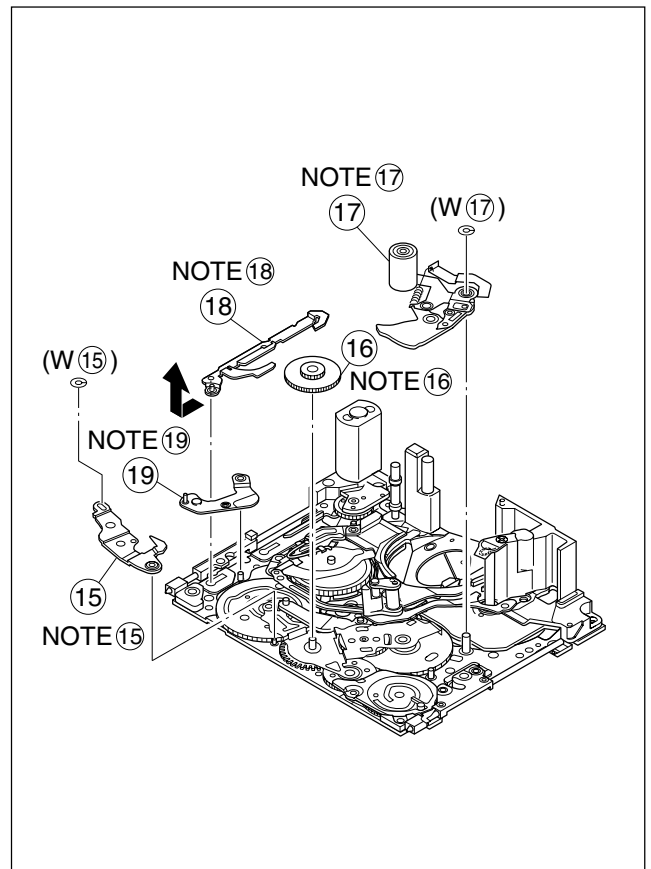
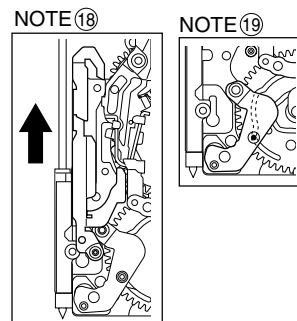
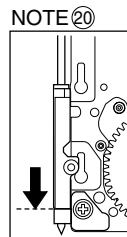


Fig. 2-4-8

8. ⑳ MOTOR BRACKET ASSY
- ㉑ GUIDE RAIL ASSY
- ㉒ SLIDE LEVER 2 ASSY
- ㉓ LOADING PLATE ASSY
- ㉔ MODE GEAR
- ㉕ EJECT LEVER

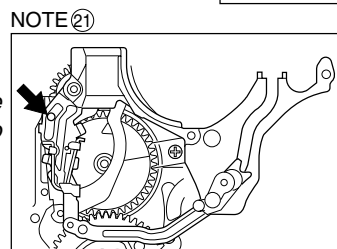
NOTE㉑:

When mounting, pay attention to the positioning of the sliding parts.



NOTE㉒:

When mounting, take care that no part is allowed to float or rattle.



NOTES㉓/㉔/㉕:

When mounting, pay attention to the correct positioning.

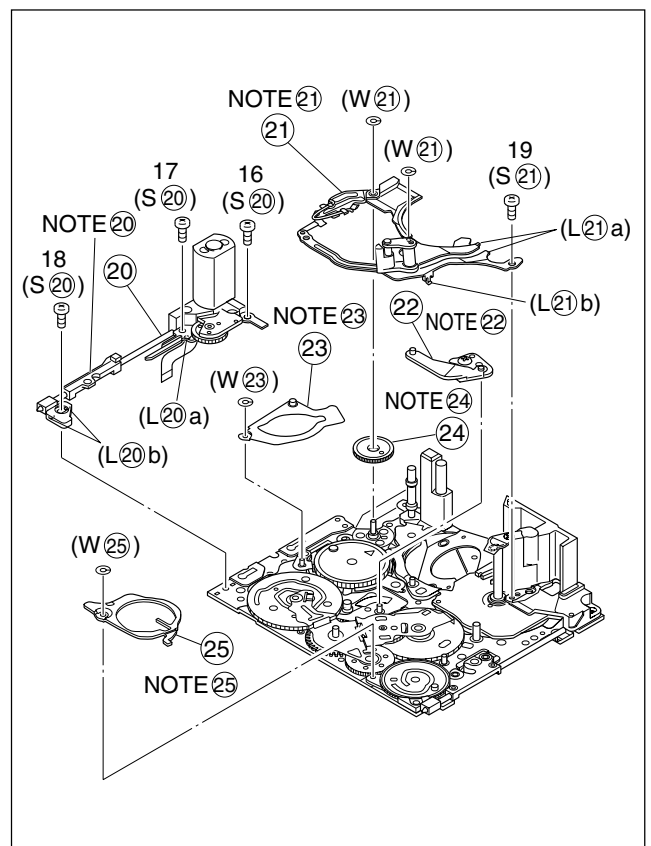
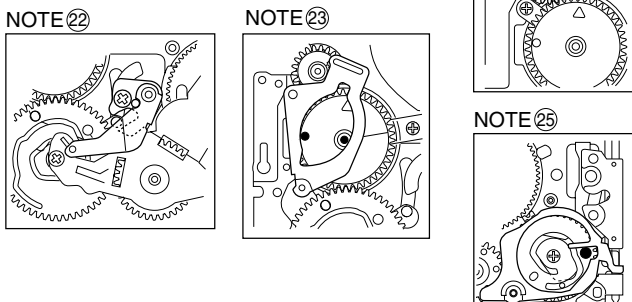


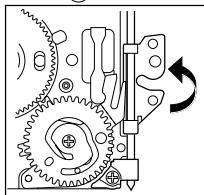
Fig. 2-4-9

9. ②⑥ BASE R ASSY
- ②⑦ ROTARY ENCODER
- ②⑧ GEAR COVER ASSY
- ②⑨ MAIN CAM ASSY

NOTE②⑥:

When mounting, fold the sliding part to the inner side.

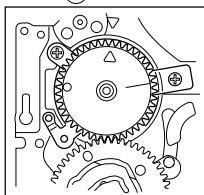
NOTE②⑥



NOTE②⑦:

When mounting, pay attention to the correct positioning and the FPC layout.

NOTE②⑦



NOTE②⑨:

When mounting, pay attention to the correct positioning.

NOTE②⑨

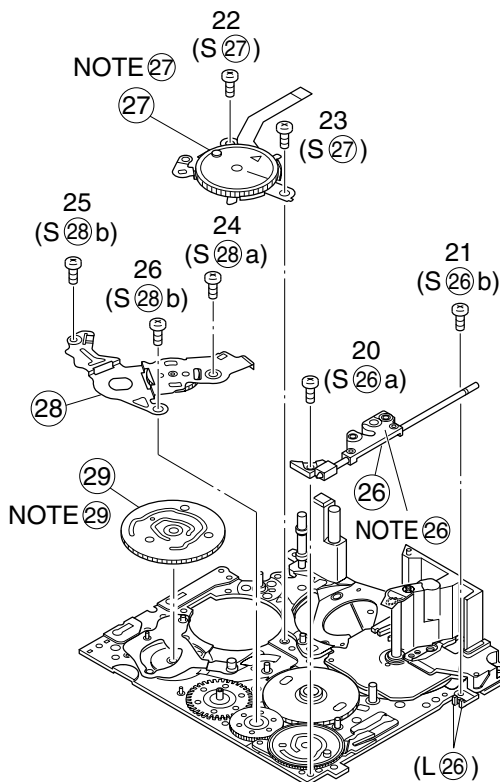
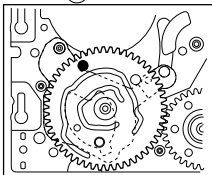


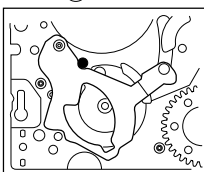
Fig. 2-4-10

10. ③① SLIDE ARM ASSY
- ③② CONNECT GEAR 2
- ③③ SUB CAM ASSY
- ③④ CONTROL ARM ASSY
- ③⑤ REEL GEAR 1

NOTE③①:

When mounting, pay attention to the correct positioning and the FPC layout.

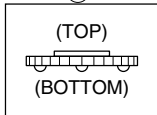
NOTE③①



NOTE③②:

When mounting, pay attention to the position of the front and back.

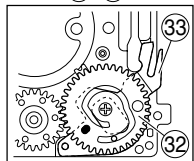
NOTE③②



NOTES③③/③④:

When mounting, pay attention to the correct positioning and the FPC layout.

NOTE③③/③④



NOTE③④

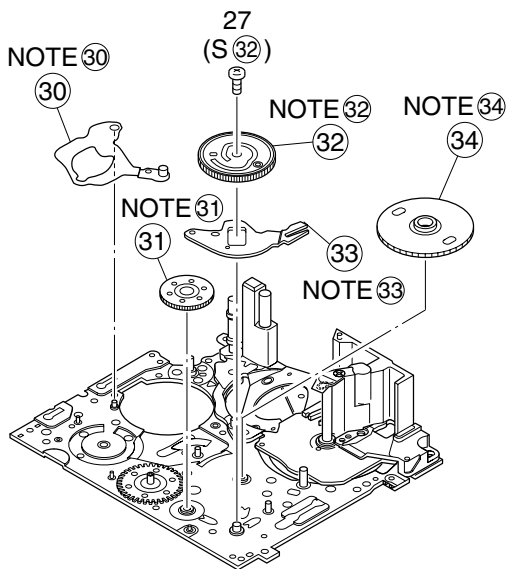
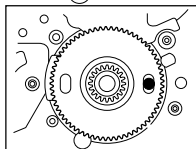


Fig. 2-4-11

11. ③⑤ DRUM BASE ASSY
- ③⑥ CAPSTAN MOTOR
- ③⑦ MAIN DECK ASSY

NOTES ③⑤ a / ③⑥:

When detaching, remove them together and then separate ③⑥ from ③⑤a.

NOTE ③⑤ b:

When mounting, attach the DRUM BASE ASSY so that the screw hole is located at the center of the ellipse.

NOTE ③⑤ b

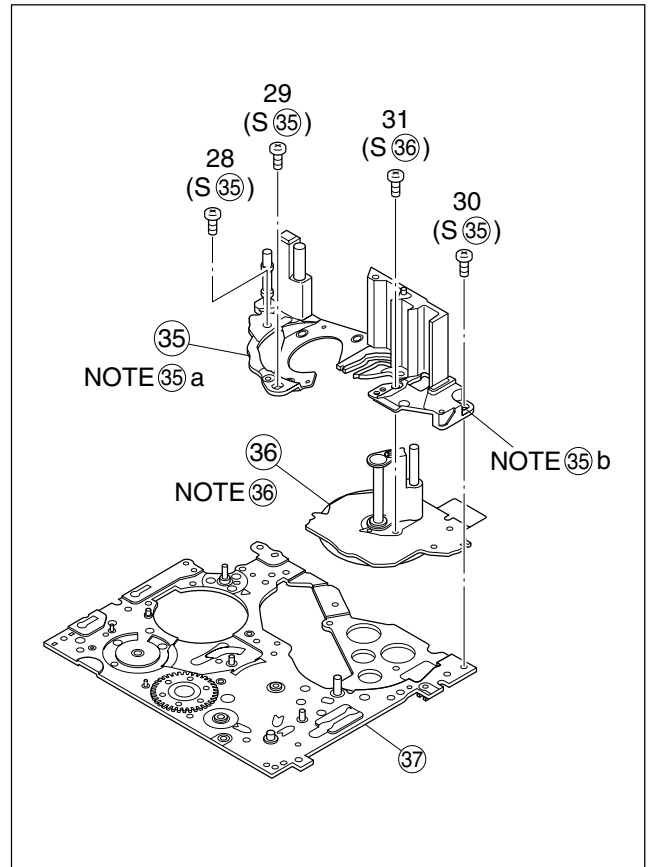
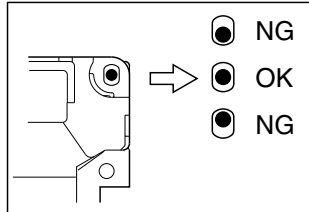


Fig. 2-4-12

2.4.2 List of procedures for disassembly

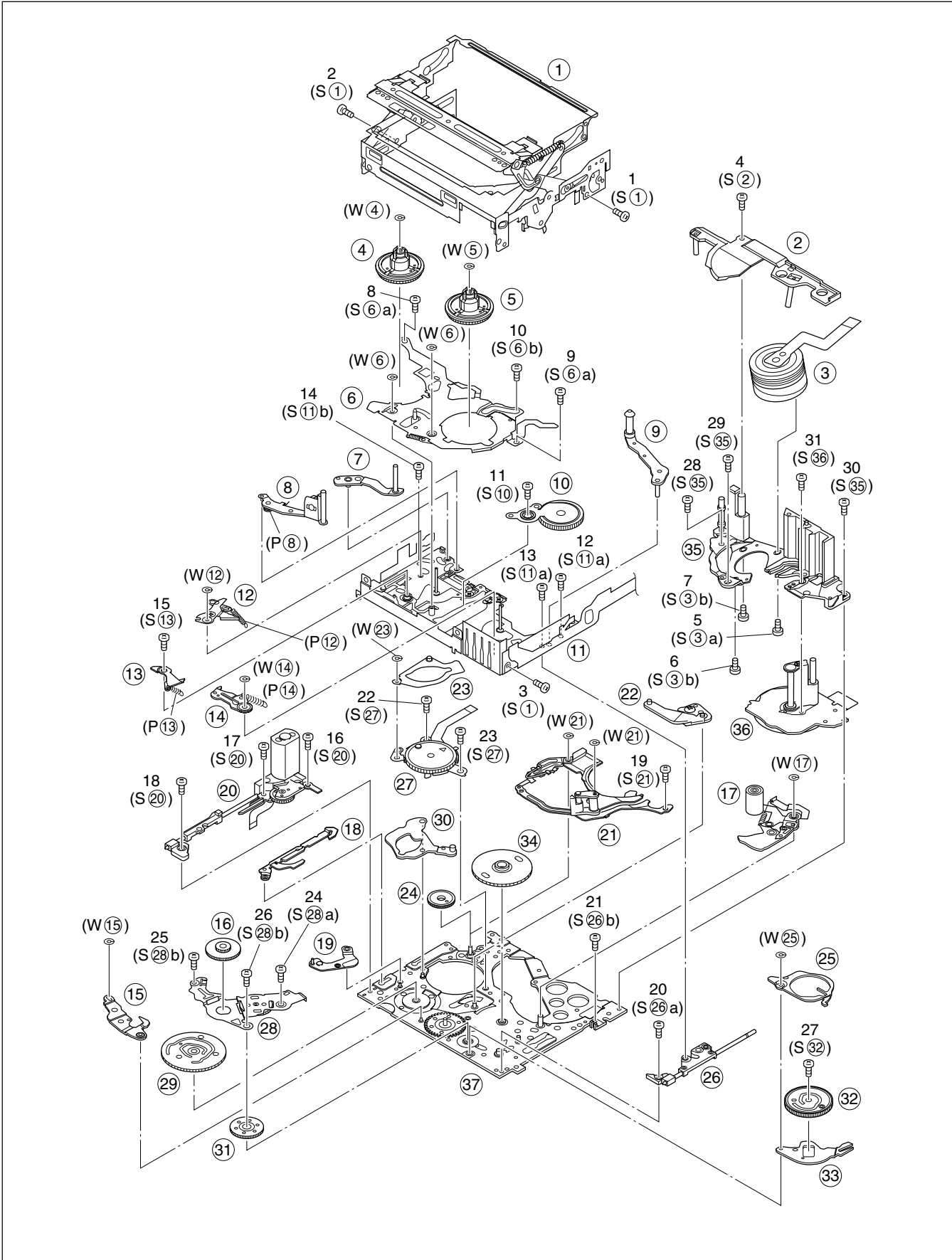


Fig. 2-4-13

2.5 CHECKUP AND ADJUSTMENT OF MECHANISM PHASE

②④ MODE GEAR

Align the MODE GEAR with the Main Deck Assembly hole.

Note:

The MODE GEAR may be displaced during the mechanism operation, however it can be checked from the rear and realigned during manual assembly.

②⑦ ROTARY ENCODER

Mount the ROTARY ENCODER by aligning its mark (Δ) and the mark (∇) of the Main Deck Assembly.

Note:

Be careful when handling the FPC during mounting.

③④ REEL GEAR 1

Align the REEL GEAR 1 with the Main Deck Assembly hole.

Note:

The REEL GEAR 1 may be displaced during mechanism operation, however this can be checked from the rear and realigned during manual assembly.

②⑨ MAIN CAM ASSY/ ③⑩ SLIDE ARM ASSY

When mounting the SLIDE ARM ASSY align it with the Main Deck Assembly and MAIN CAM ASSY holes.

Note:

During the mounting procedure, make sure that the ③② SUB CAM ASSY is in the correct mounting position.

③② SUB CAM ASSY/ ③③ CONTROL ARM ASSY

Mount the SUB CAM ASSY hole to align with the CONTROL ARM ASSY and Main Deck Assembly holes and then tighten them all together with a screw. The screw tightening torque should be 0.039 N·m (0.4 kgf·cm)

Note:

When mounting it, make sure that the ②⑨ MAIN CAM ASSY is in the correct mounting position.

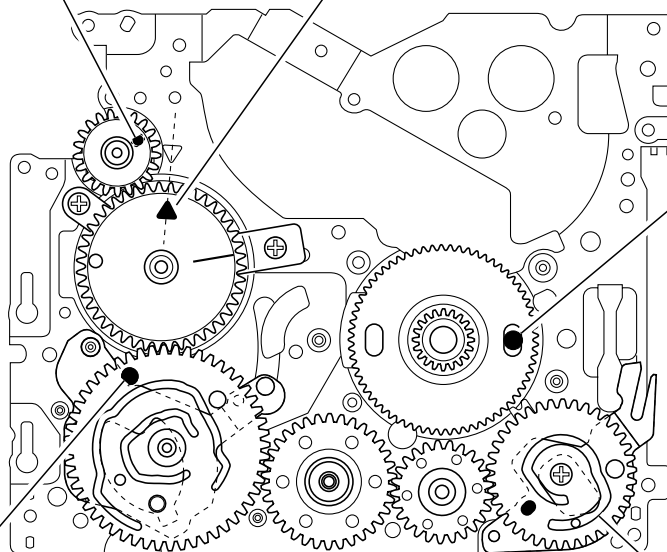


Fig. 2-5-1

2.6 MECHANISM ADJUSTMENTS

2.6.1 Adjustment of the slide guide plate

Use Fig. 2-6-1 as the reference unless otherwise specified.

1. Set the PLAY mode.
See Fig. 2-3-8.
2. Loosen the screws ((A),(B)).
3. With the Main Deck and Slide Deck Assemblies pushed into the unit, tighten the screws ((A),(B)) while applying pressure to the stud (shaft) on the Slide Guide plate.
The pressure applied should be enough to enable utilization of the rebounding force of the springs.
The tightening torque should be 0.069 N·m (0.7 kgf·cm).
4. Check the operation.
Repeat unloading and loading several times and make sure that these operations can be performed smoothly without producing rattles.

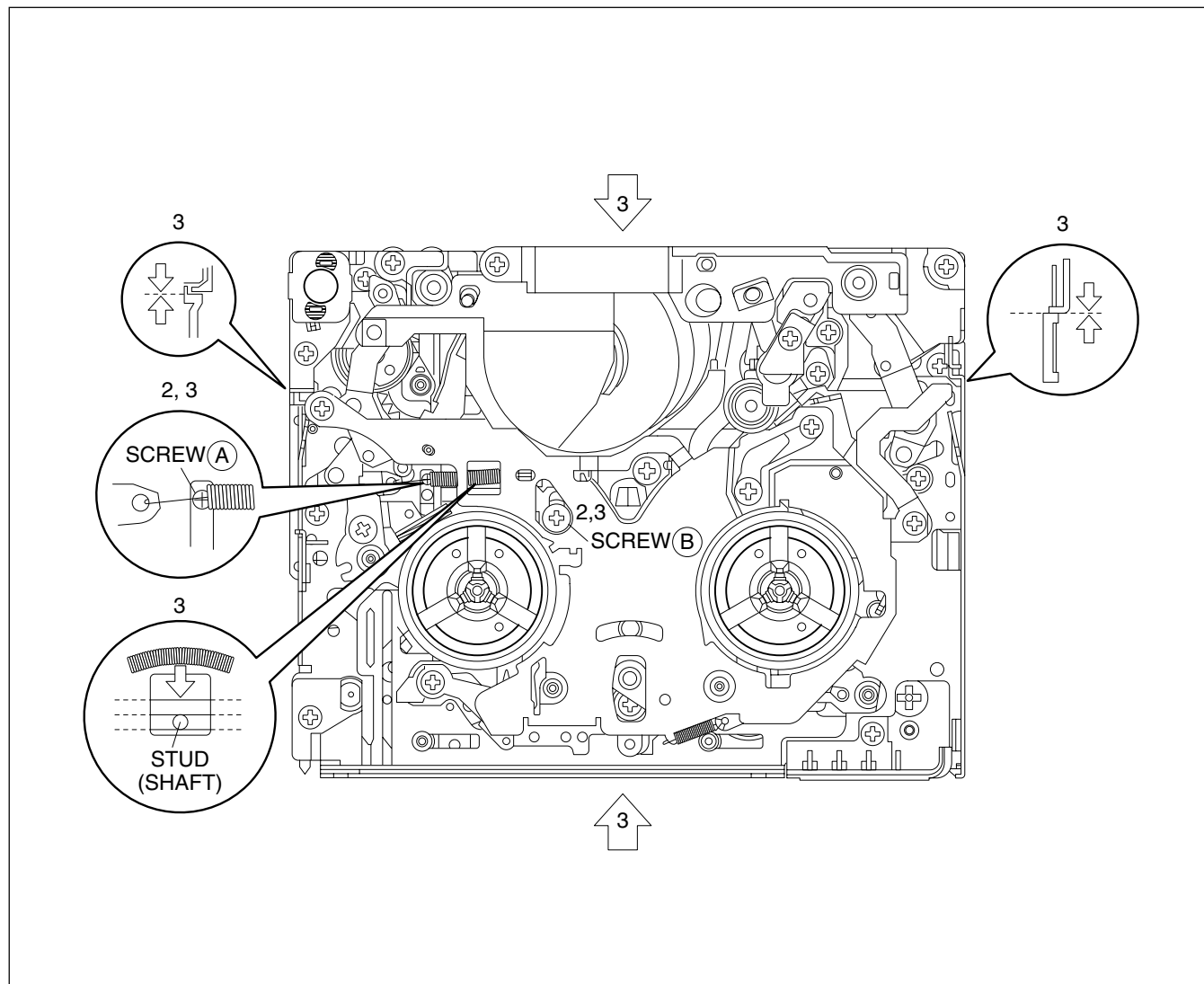


Fig. 2-6-1

2.6.2 Adjustment of the Tension Arm and Pad Arm Assemblies

Use Fig. 2-6-2 as the reference unless otherwise specified.

1. Set the PLAY mode.
See Fig. 2-3-8.
2. Loosen the screw (A).
3. With the take-up side at the bottom, align the extreme end of the Tension Arm Assembly with the crossed grooves on the screw (B) that retains the Loading Motor Assembly and then tighten the screw (A).
The tightening torque should be $0.069 \text{ N}\cdot\text{m}$ ($0.7 \text{ kgf}\cdot\text{cm}$).
4. Check the operation.
Repeat unloading and loading several times and make sure that the Tension Arm Assembly is located within the normal range.

Note : With the above checking method, a Torque Meter is not used.

When a Torque meter is used, the following are the reference values:

Back Tension : 1.96 to $5.88 \text{ mN}\cdot\text{m} \times 0.1$ (2 to $6 \text{ g}\cdot\text{cm}$)

Play Torque : 6.86 to $10.78 \text{ mN}\cdot\text{m} \times 0.1$ (7 to $11 \text{ g}\cdot\text{cm}$)

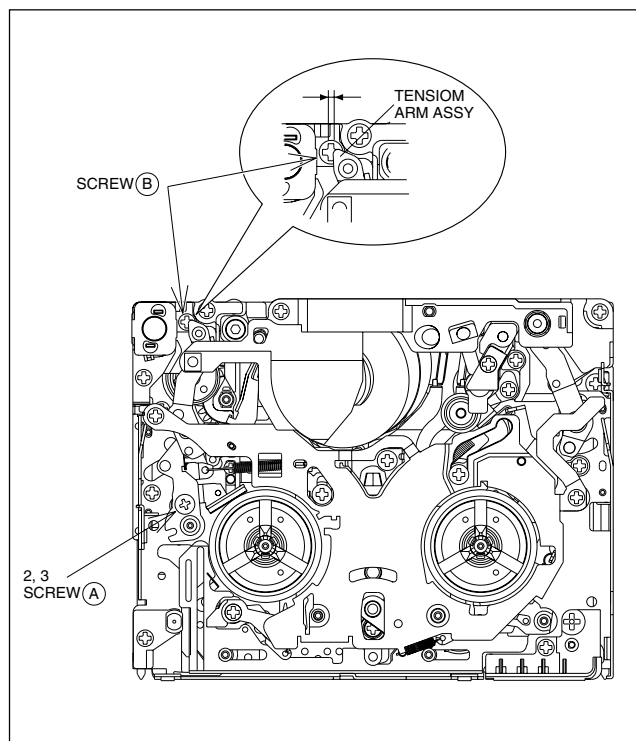


Fig. 2-6-2

2.6.3 Adjustment of the Slide Lever 2

Use Fig. 2-6-3 as the reference unless otherwise specified.

1. Set the C IN mode.
See Fig. 2-3-4.
2. Loosen the screw (A).
3. Set the Main Deck and Slide Deck Assemblies apart so that they do not rattle, then tighten the screw (A) by screwing it fully toward the Drum Assembly.
The tightening torque should be $0.069 \text{ N}\cdot\text{m}$ ($0.7 \text{ kgf}\cdot\text{cm}$).
4. Check the operation.
Repeat unloading and loading several times and make sure that these operations can be performed smoothly without producing rattles.

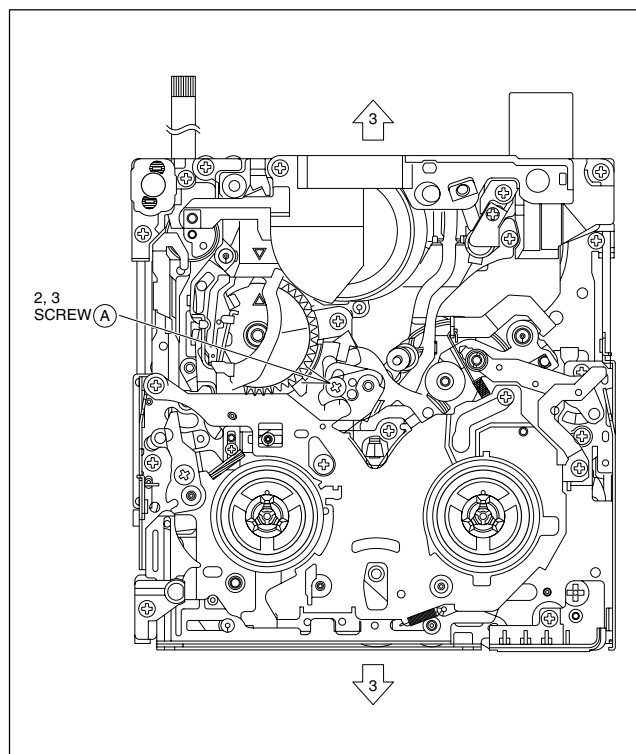


Fig. 2-6-3

2.7 JIG CONNECTOR CABLE CONNECTION

Remove one screw (1) first and the cover (JIG) next.

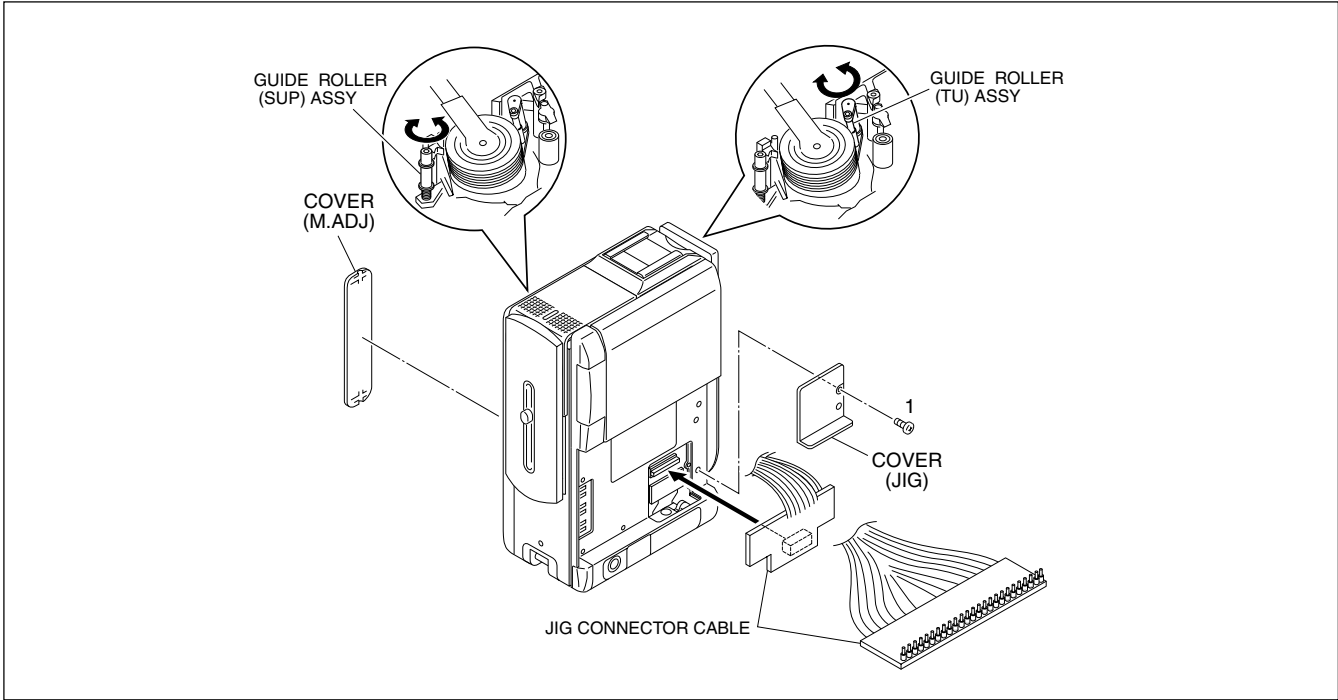


Fig. 2-7-1

MAIN CN114			JIG CONN. BOARD (PIN NO.)		
VF_RPD	40		40	VF_RPD	
CVF_G		20	39	CVF_R	
CVF_R	39		38	VF_COM	
CVF_B		19	37	MT_G	
VF_COM	38		36	MT_B	
MT_RPD		18	35	MT_PSIG	
MT_G	37		33	SBE	
MT_R		17	32	FRP	
MT_B	36		31	DISCRI	
MT_COMCS		16	30	ATFI	
MT_PSIG	35		29	ENV_OUT	
GND		15	28	TRST	
GND	34		27	TMS	
MONI_CHG		14	26	TDI	
SBE	33		25	JLIP_TX	
SPA		13	20	CVF_G	
FRP	32		19	CVF_B	
FS_PLL		12	18	MT_RPD	
DISCRI	31		17	MT_R	
HID1		11	16	MT_COMCS	
ATFI	30		15	GND	
MAIN_VCO		10	14	MONI_CHG	
ENV_OUT	29		13	SPA	
PB_CLK		9	12	FS_PLL	
TRST	28		11	HID1	
TCMK		8	10	MAIN_VCO	
TMS	27		9	PB_CLK	
TDO		7	8	TCMK	
TDI	26		7	TDO	
JLIP_RX		6	6	JLIP_RX	
JLIP_TX	25				
IF_TX		5			
AL_3VSYS	24				
RST		4			
VPPC	23				
SRV_RX		3			
SRV_TX	22				
REG_3V		2			
DRST	21				
VPPD		1			

NOTE)
The JIG connector board uses 30 of the 40 pins of CN114 on the Main board.
Pins 1 to 5, 21 to 24 and 34 of CN114 on the Main board are not used.

Fig. 2-7-2

2.8 SERVICE NOTE

Use the following chart to manage mechanism parts that are removed for disassembling the mechanism.

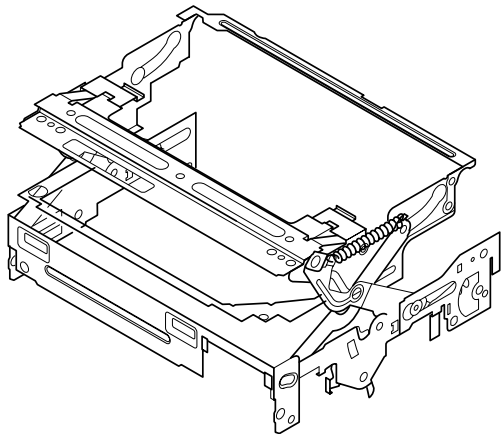
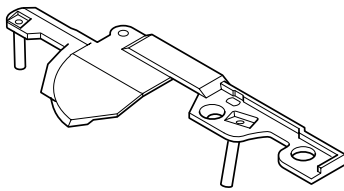
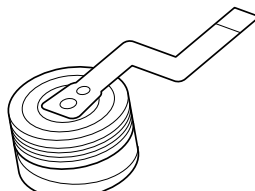
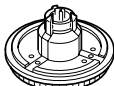
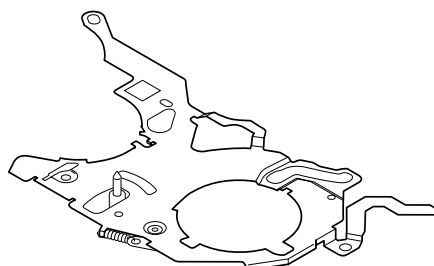
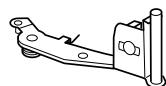
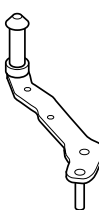
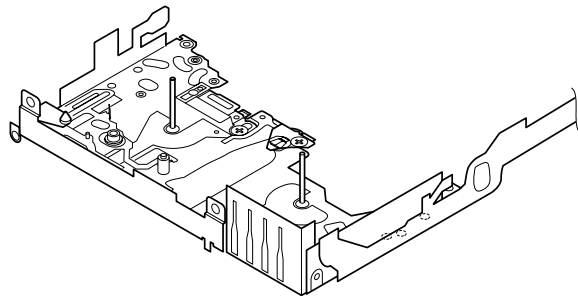
Fig.	① CASSETTE HOUSING ASSY			Fig.	② UPPER BASE ASSY			
2 1 4 1 3				2 1 4 1 4				
Fig.	③ DRUM ASSY		Fig.	④ REEL DISK ASSY(SUP)		⑥ REEL COVER ASSY		
2 1 4 1 4			2 1 4 1 5	⑤ REEL DISK ASSY(TU)				
								
Fig.	⑦ TENSION ARM ASSY		⑧ SLANT POLE ARM ASSY		⑨ TU ARM ASSY		⑩ SWING ARM ASSY	
2 1 4 1 6								
Fig.	⑪ SLIDE DECK ASSY			Fig.	⑫ PAD ARM ASSY		⑬ SUP BRAKE ASSY	⑭ TU BRAKE ASSY
2 1 4 1 7 a				2 1 4 1 7 b				

Table 2-8-1a

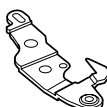
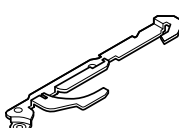
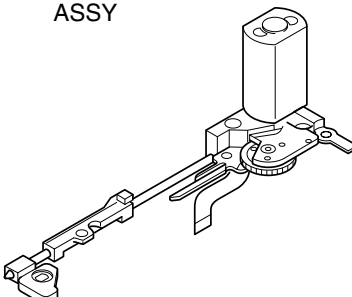
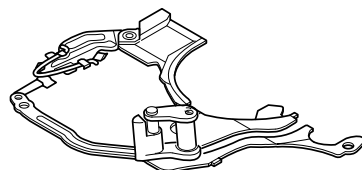
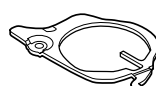
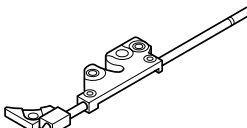
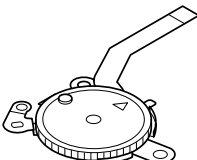
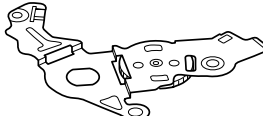
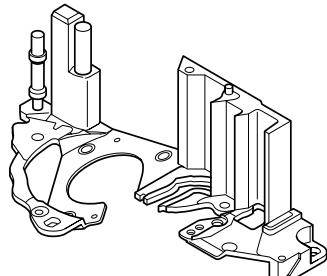
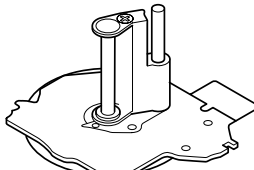
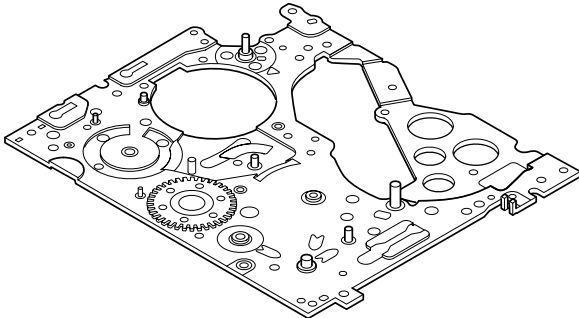
Fig.	15 TENSION CTL LEVER ASSY	16 CENTER GEAR	17 PINCH ROLLER ARM F. ASSY	18 TENSION CTL PLATE ASSY	19 BRAKE CTL LEVER ASSY
2 4 8					
Fig.	20 MOTOR BRACKET ASSY	21 GUIDE RAIL ASSY	22 SLIDE LEVER 2 ASSY	23 LOADING PLATE ASSY	
2 4 9					
			24 MODE GEAR	25 EJECT LEVER	
					
Fig.	26 BASE R ASSY	27 ROTARY ENCODER	28 GEAR COVER ASSY	29 MAIN CAM ASSY	
2 4 10					
Fig.	30 SLIDE ARM ASSY	31 CONNECT GEAR 2	32 SUB CAM ASSY	33 CONTROL ARM ASSY	34 REEL GEAR 1
2 4 11					
Fig.	35 DRUM BASE ASSY	36 CAPSTAN MOTOR	37 MAIN DECK ASSY		
2 4 12					

Table 2-8-1b

SECTION 3 ELECTRICAL ADJUSTMENT

3.1 PRECAUTION

1. Precaution

Both the camera and deck sections of this model needs a personal computer for adjustment except simple adjustment with potentiometers. If some of the following parts is replaced for repair or other reason, the repaired set must be adjusted with a personal computer.

- OP block
- E²PROM (IC1003 of MAIN board)

In the event of malfunction with electrical circuits, trouble-shooting with the aid of proper test instruments must be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in disconnecting and connecting.
3. Shortcircuit between operation un it and DECK chassis.

2. Required test equipment

1. Color TV monitor.
2. AC power adapter/charger
3. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)

Note : It is recommended to use one observable 300 MHz or higher frequency.

4. Digital voltmeter
5. Frequency counter (with threshold level adjuster)
6. Personal computer

3. Tools required for adjustments

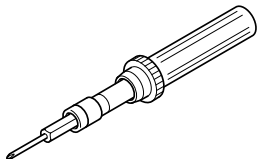
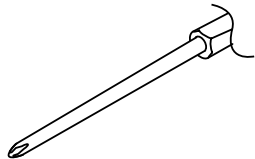
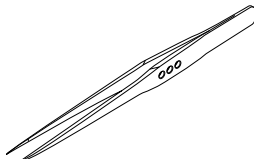
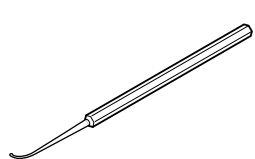
1 Torque Driver YTU94088	2 Bit YTU94088-003
	
3 Tweezers P-895	4 Chip IC Replacement Jig PTS40844-2
	

Table 3-1-1a

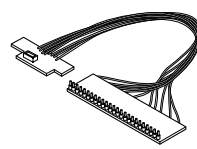
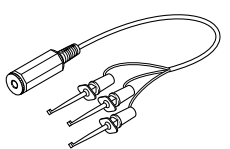
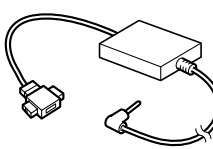
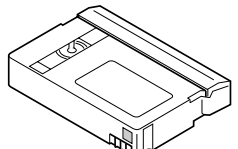
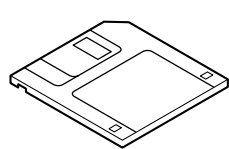
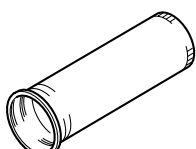
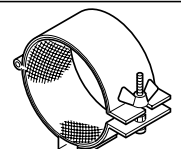
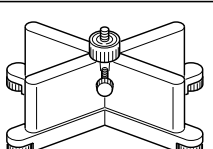
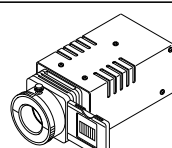
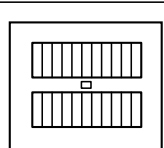
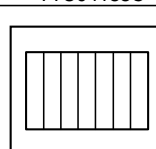
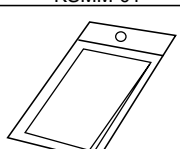
5 Jig Connector Cable YTU93106C	6 Communication Cable YTU93107A
	
7 PC Cable QAM0099-002	8 Alignment Tape MC-2
	
9 Service Support System YTU94057-54	10 INF Adjustment Lens YTU92001B
	
11 INF Adjustment Lens Holder YTU94087	12 Camera Stand YTU93079
	
13 Light box Assembly YTU93096A	14 Gray Scale Chart YTU94133A
	
15 Color Bar Chart YTU94133C	16 Cleaning Cloth KSM-01
	

Table 3-1-1b

1. Torque driver

Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.

2. Bit

This bit is slightly longer than those set in conventional torque drivers.

3. Tweezers

To be used for removing and installing parts and wires.

4. Chip IC replacement jig

To be used for adjustment of the camera system.

5. Jig connector cable

Connected to CN114 of the main board and used for electrical adjustment, etc.

6. Communication Cable

Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.

7. PC cable

To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.

8. Alignment tape

To be used for check and adjustment of interchangeability of the mechanism.

9. Service support system

To be used for adjustment with a personal computer.

10. INF adjustment lens

To be used for adjustment of the camera system.

11. INF adjustment lens holder

To be used together with the camera stand for operating the VideoMovie in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring.

12. Camera stand

To be used together with the INF adjustment lens holder.

13. Light box assembly

To be used for adjustment of the camera system.

14. Gray scale chart (for Light box assembly)

To be used for adjustment of the camera system.

15. Color bar chart (for Light box assembly)

To be used for adjustment of the camera system.

16. Cleaning Cloth

Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

3.2 SETUP

1. Setup for electrical adjustment with personal computer.

NOTE: Remove one screw (1) first and the cover (JIG) next.

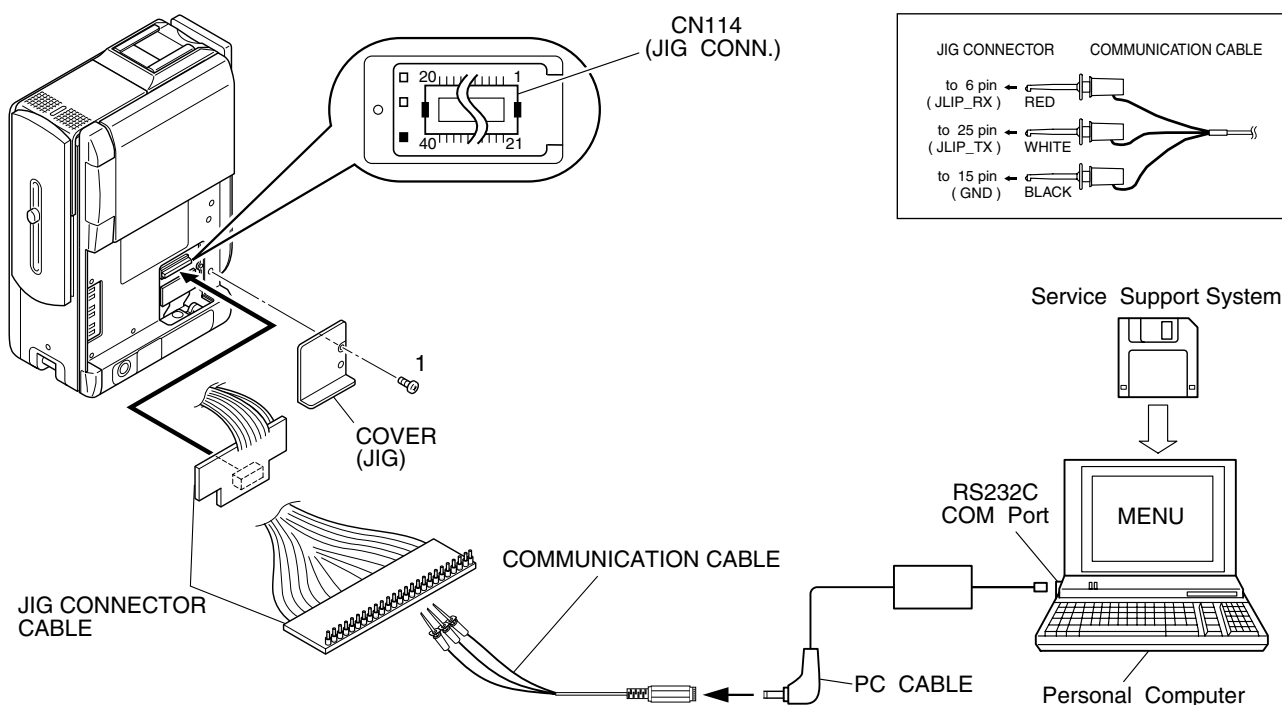


Fig. 3-2-1 Connection for Service support system

SECTION 4 CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components identified by the symbol  are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

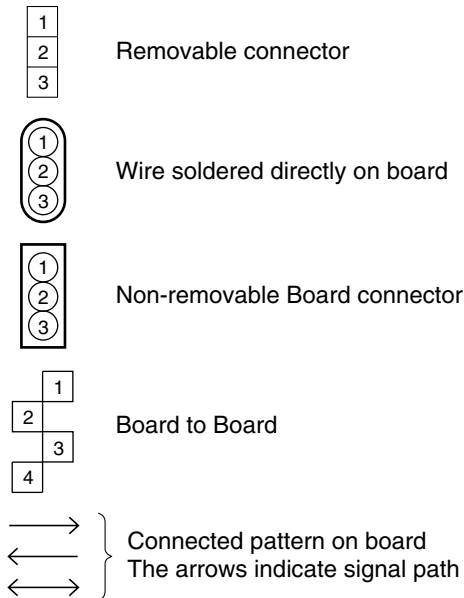
Unless otherwise specified.

- 1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
Chip resistors are 1/16 W.
K: K Ω (1000 Ω), M: M Ω (1000K Ω)
- 2) All capacitance values are in μ F, (P: PF).
- 3) All inductance values are in μ H, (m: mH).
- 4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

2. Indications of control voltage

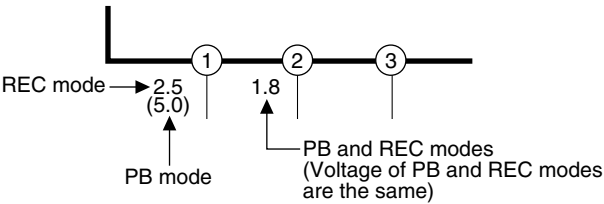
AUX : Active at high.
 $\overline{\text{AUX}}$ or AUX(L) : Active at low.

3. Interpreting Connector indications



4. Voltage measurement

- 1) Regulator (DC/DC CONV) circuits
REC : Colour bar signal.
PB : Alignment tape (Colour bar).
— : Unmeasurable or unnecessary to measure.
- 4) Indication on schematic diagram
Voltage Indications for REC and PB mode on the schematic diagram are as shown below.

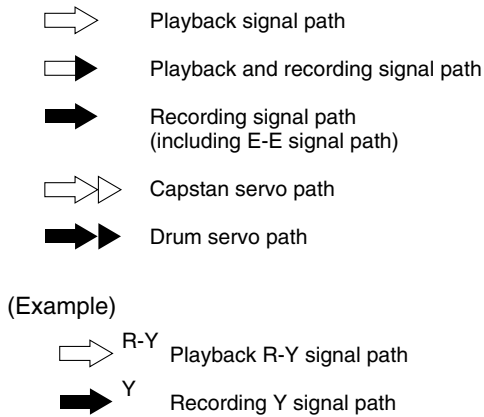


Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

5. Signal path Symbols

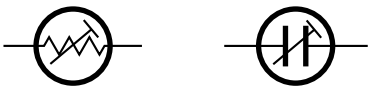
The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.



6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

“OPEN” is indicated by the parts not mounted on the circuit board.



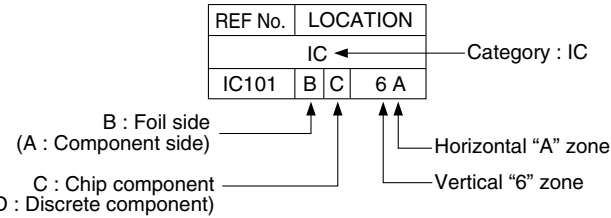
CIRCUIT BOARD NOTES

1. Foil and Component sides

- 1) Foil side (B side) :
Parts on the foil side seen from foil face (pattern face) are indicated.
- 2) Component side (A side) :
Parts on the component side seen from component face (parts face) indicated.

2. Parts location guides

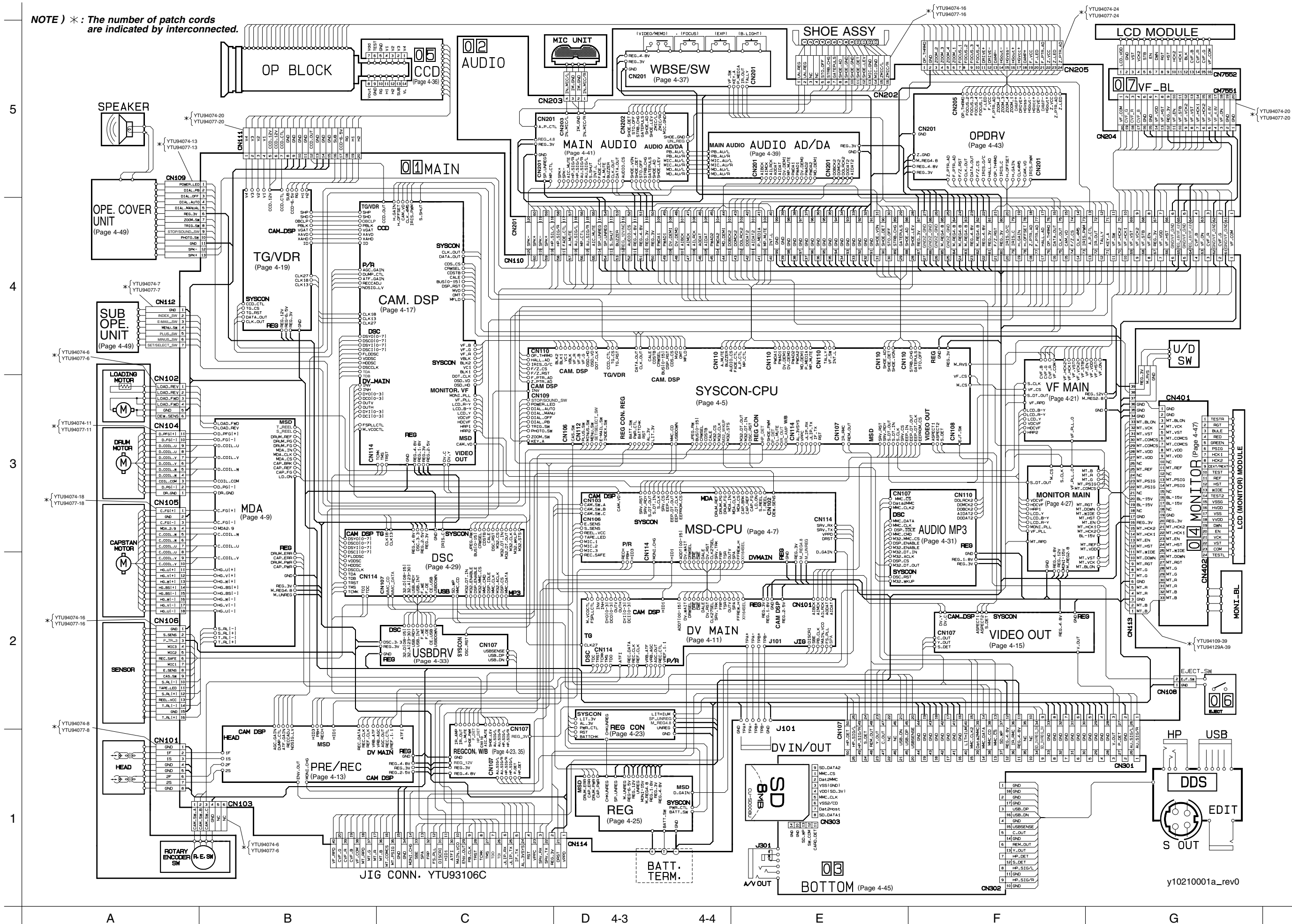
Parts location are indicated by guide scale on the circuit board.



Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

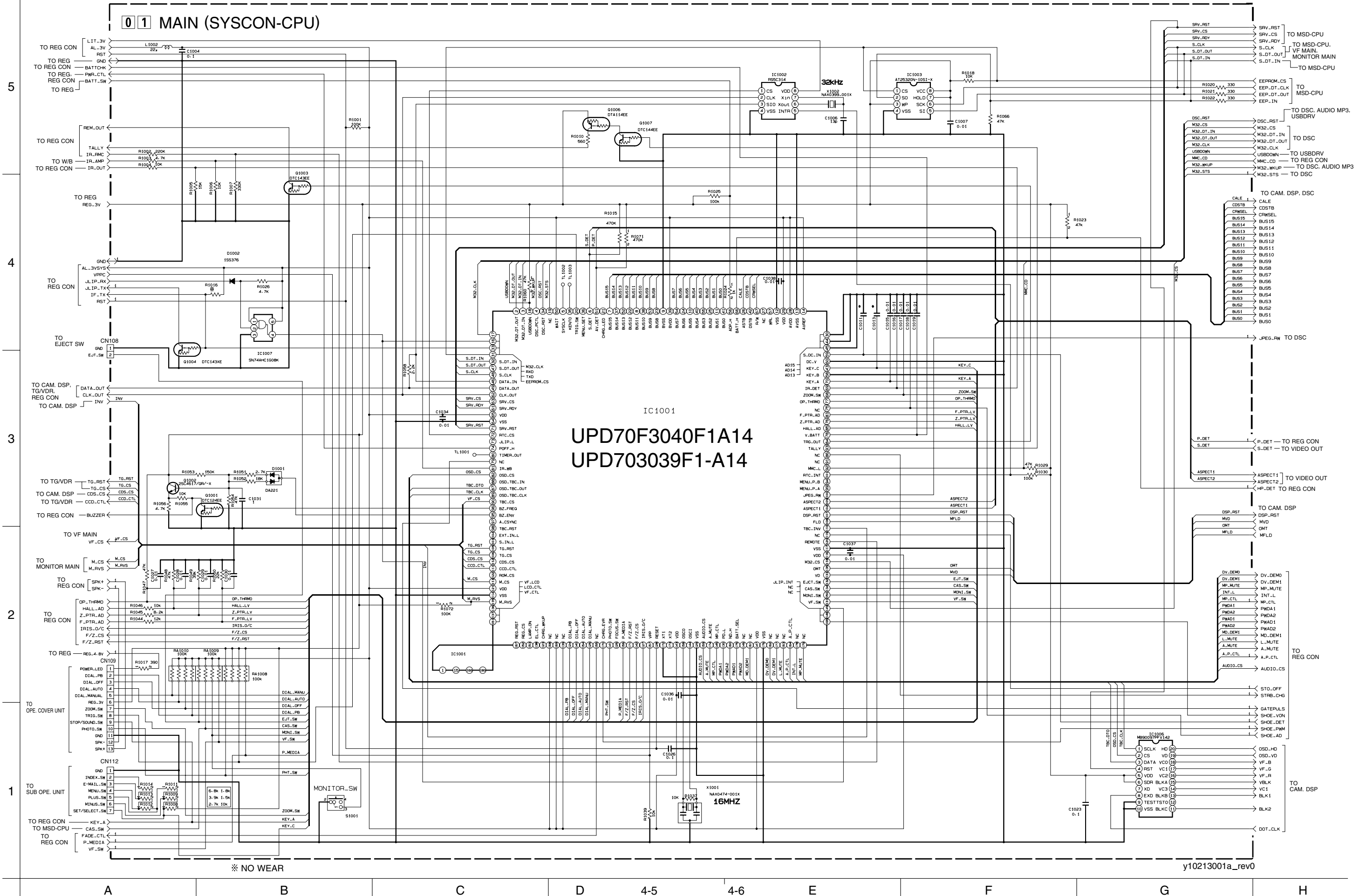
4.1 BOARD INTERCONNECTIONS

NOTE) * : The number of patch cords are indicated by interconnected.



4.2 SYSCON-CPU SCHEMATIC DIAGRAM

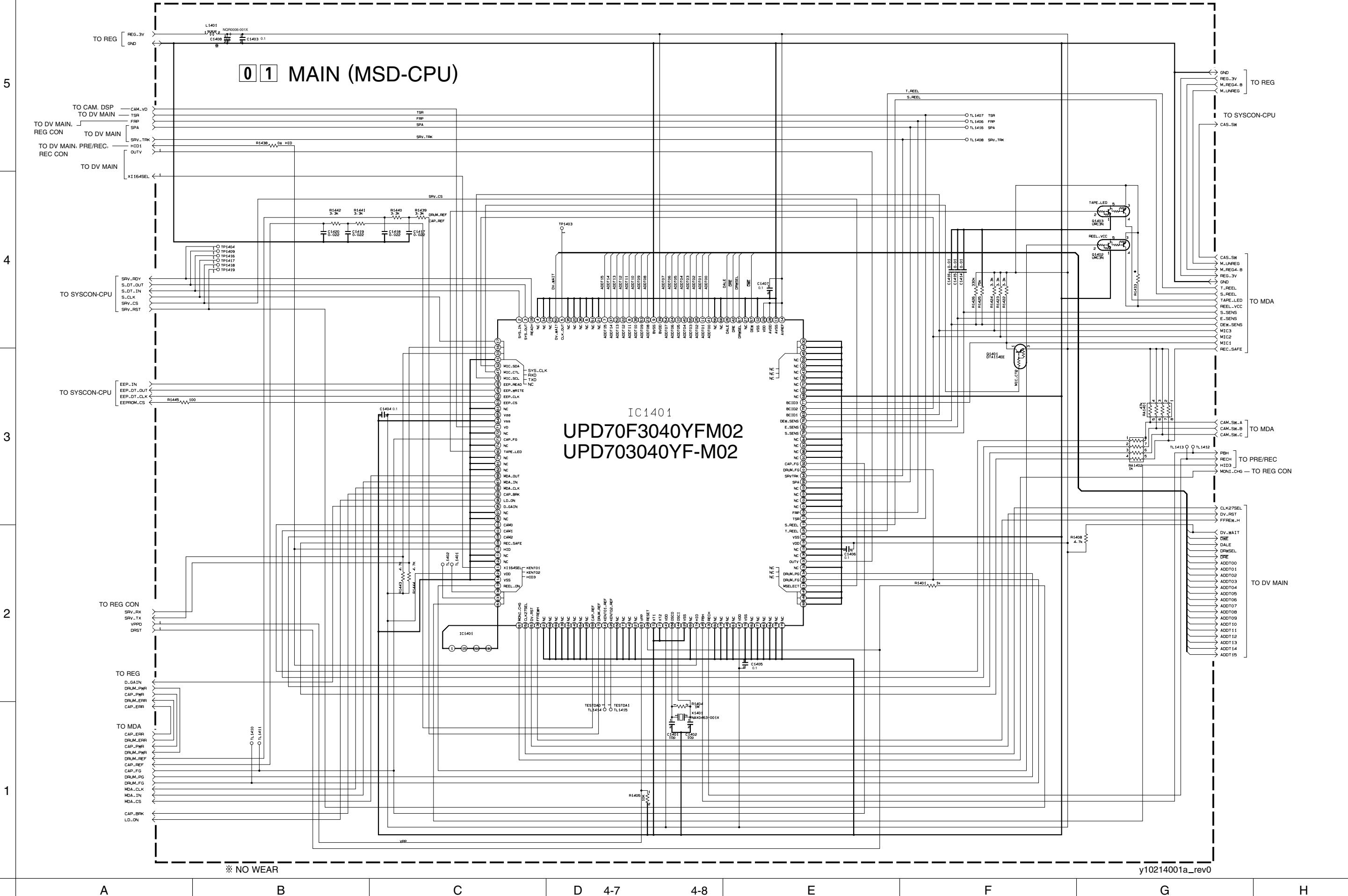
- NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.3 MSD-CPU SCHEMATIC DIAGRAM

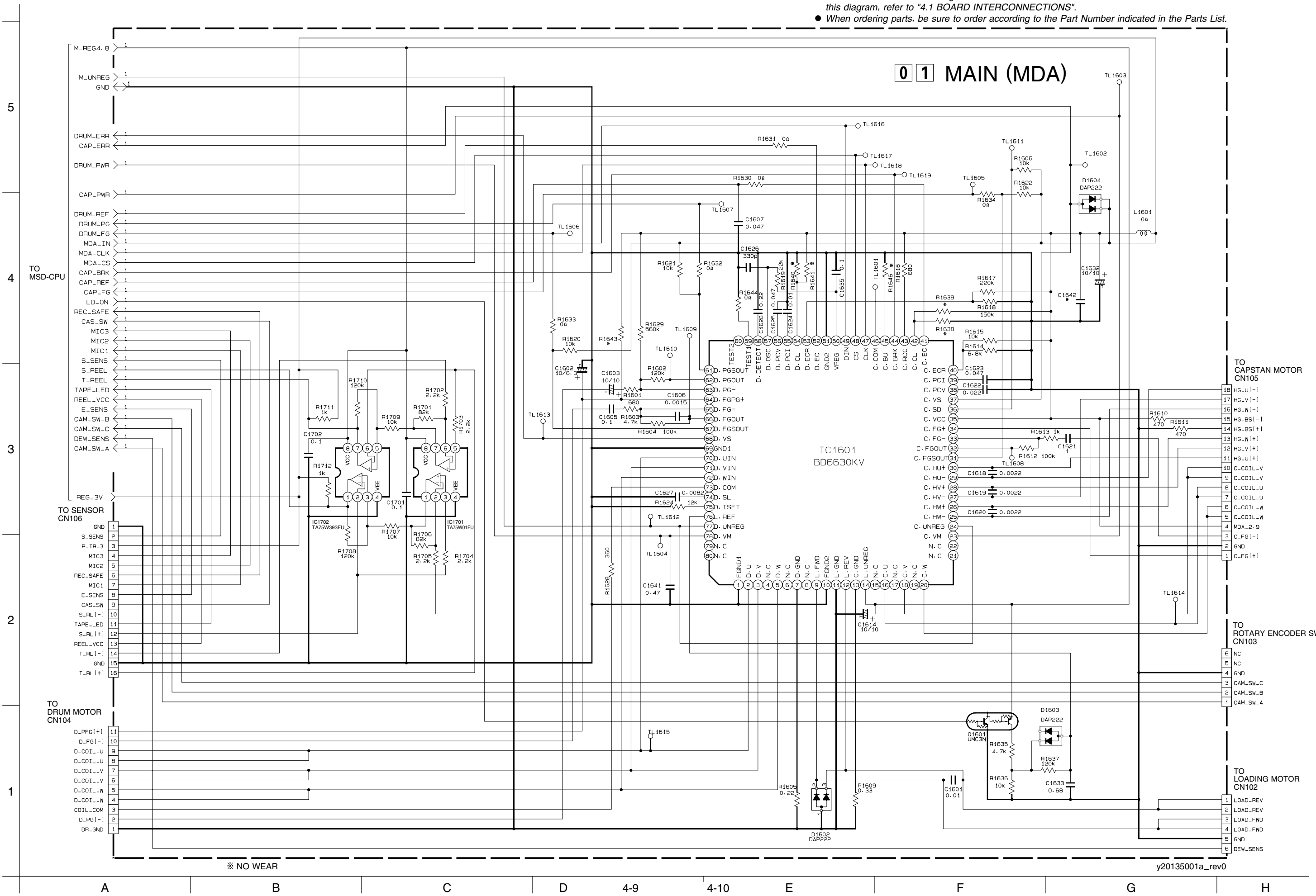
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.4 MDA SCHEMATIC DIAGRAM

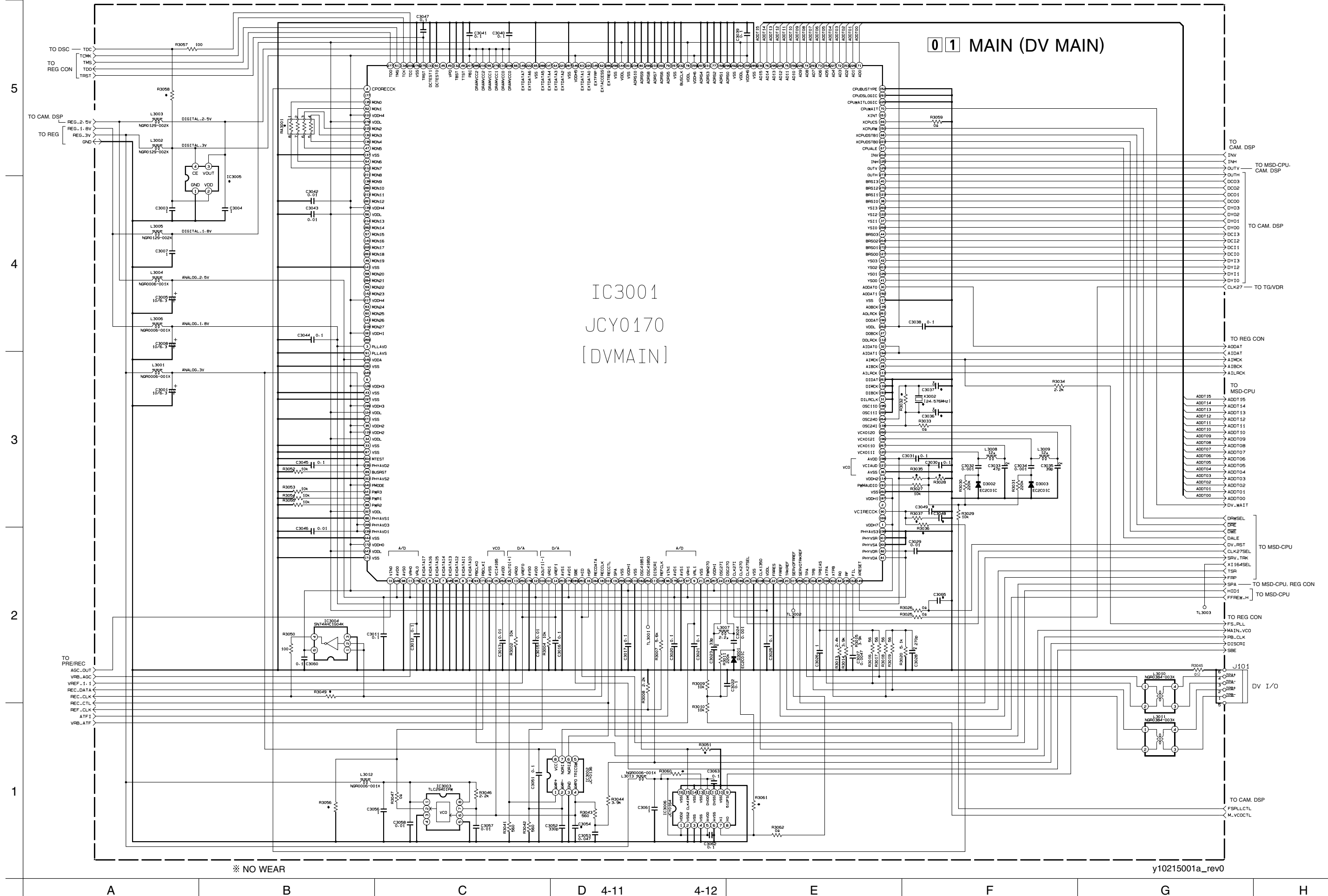
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.5 DV MAIN SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

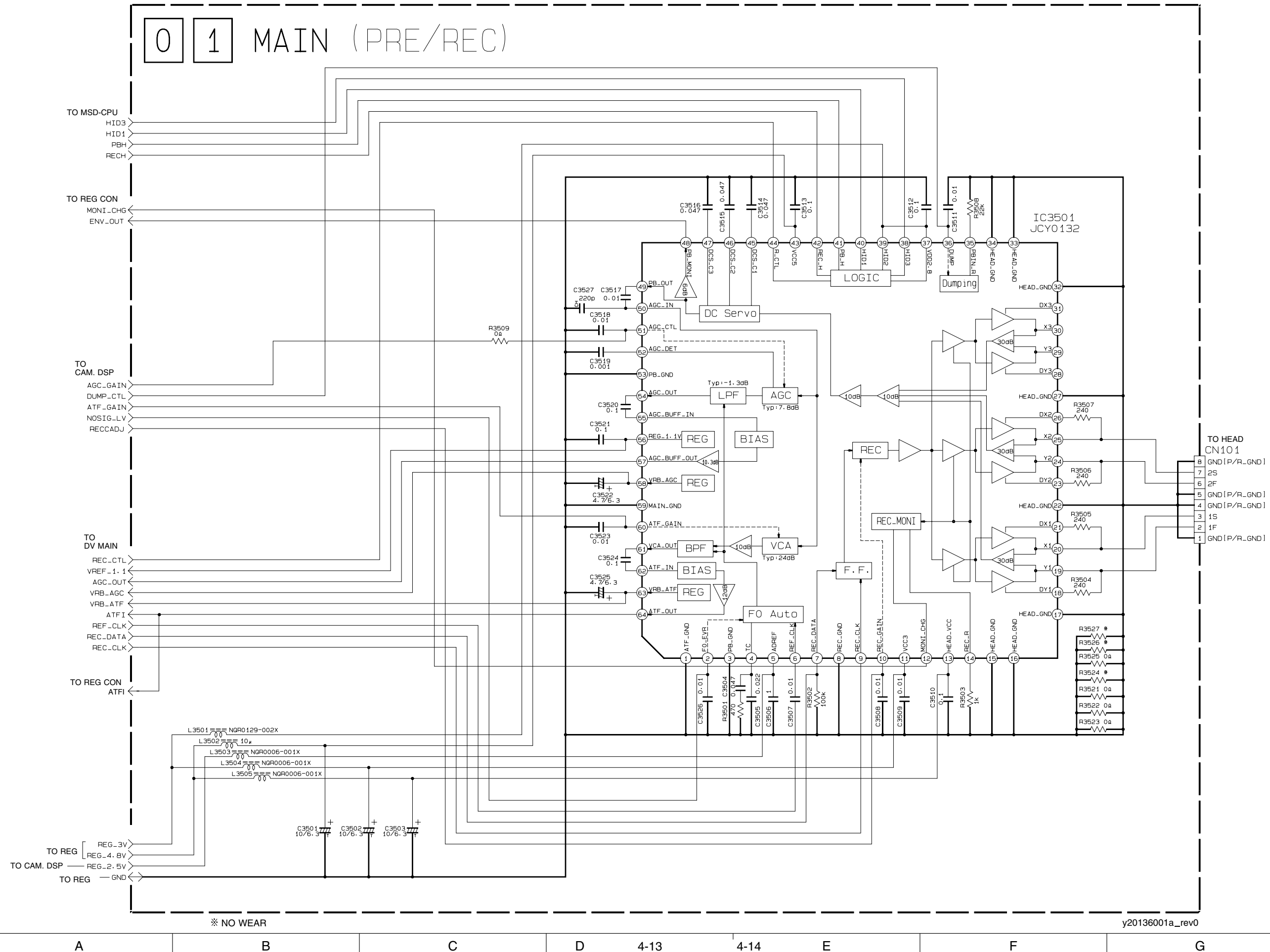
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.6 PRE/REC SCHEMATIC DIAGRAM

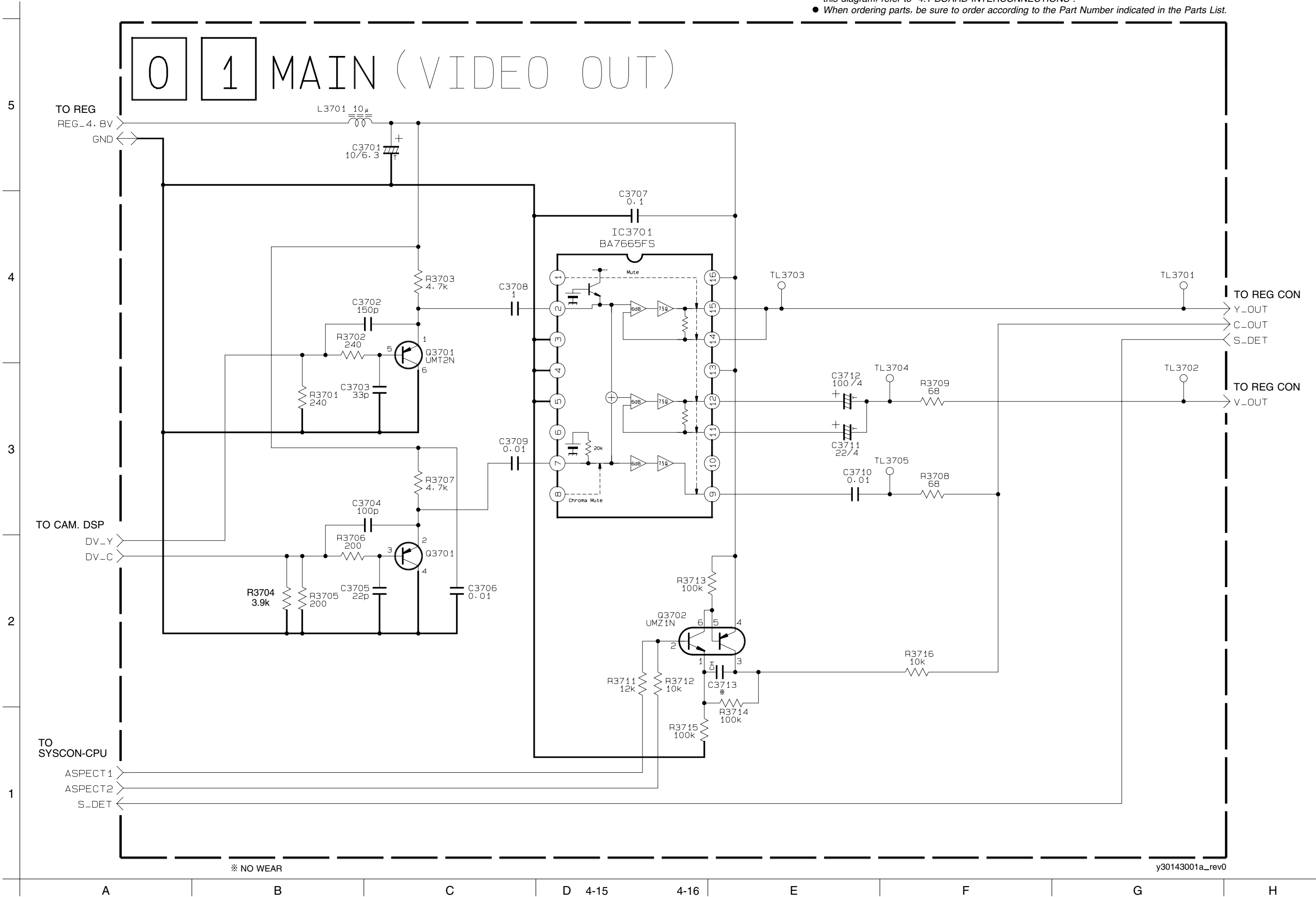
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



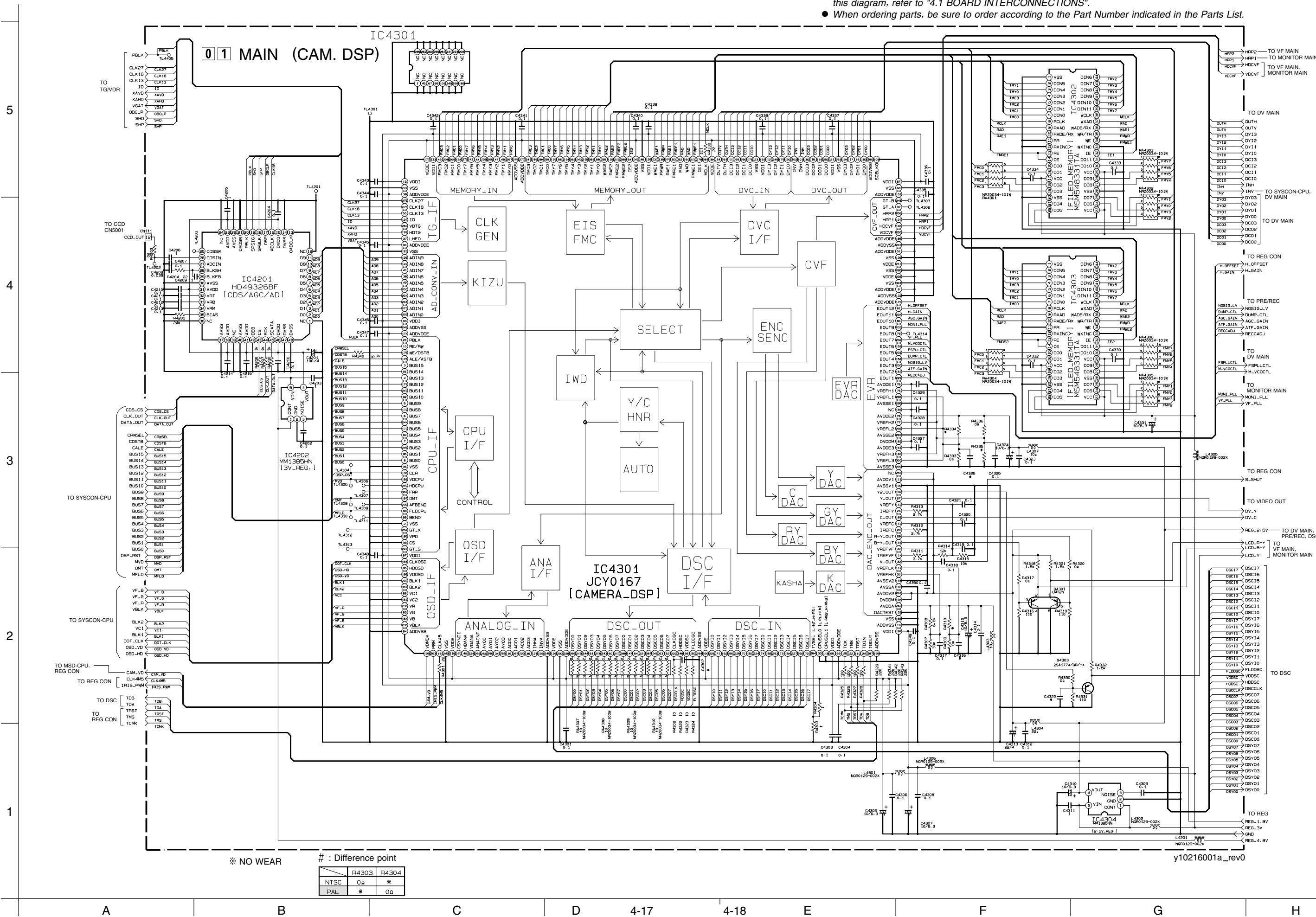
4.7 VIDEO OUT SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.8 CAM. DSP SCHEMATIC DIAGRAM

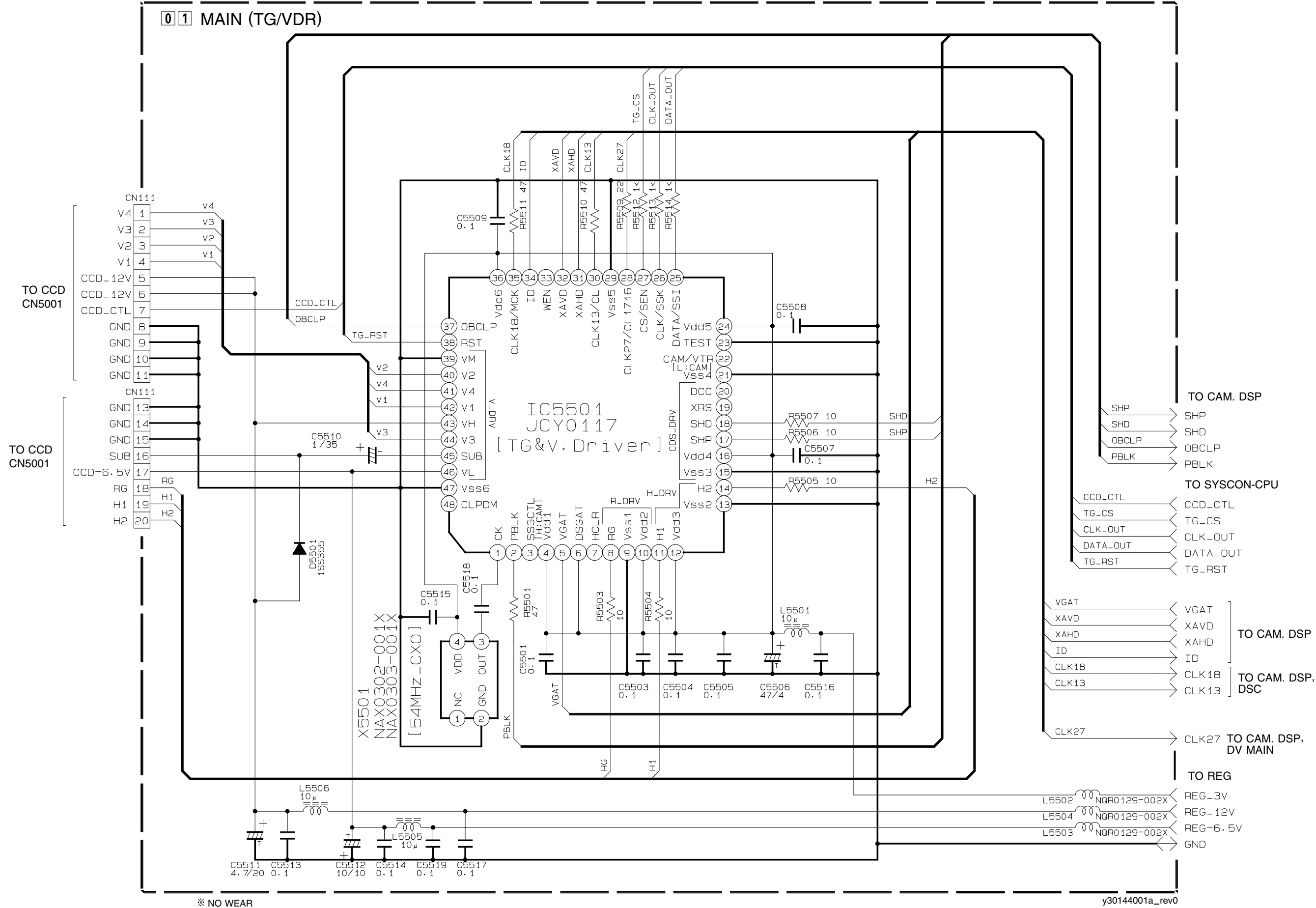
- NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.9 TG/VDR SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



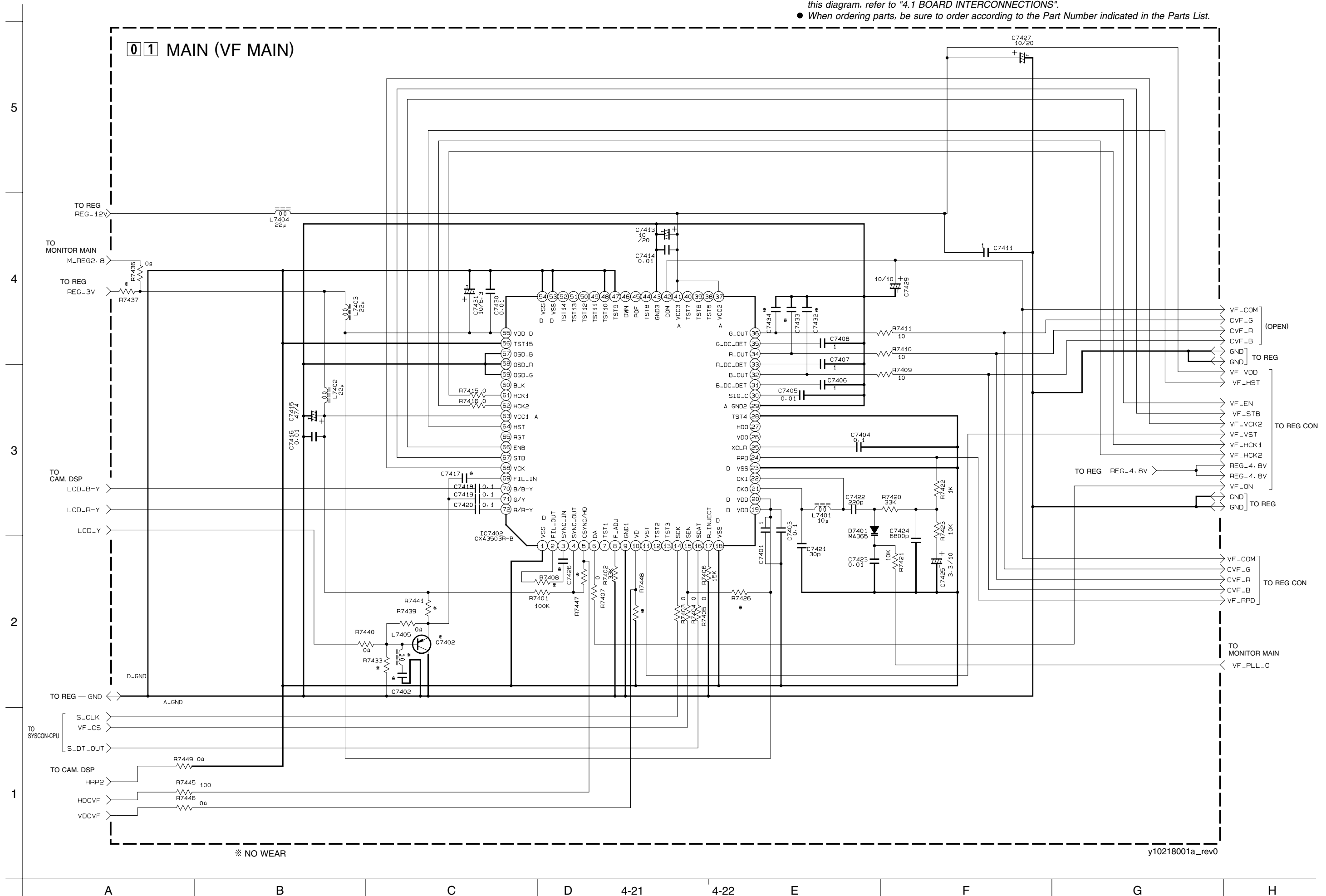
※ NO WEAR

y30144001a_rev0

4.10 VF MAIN SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

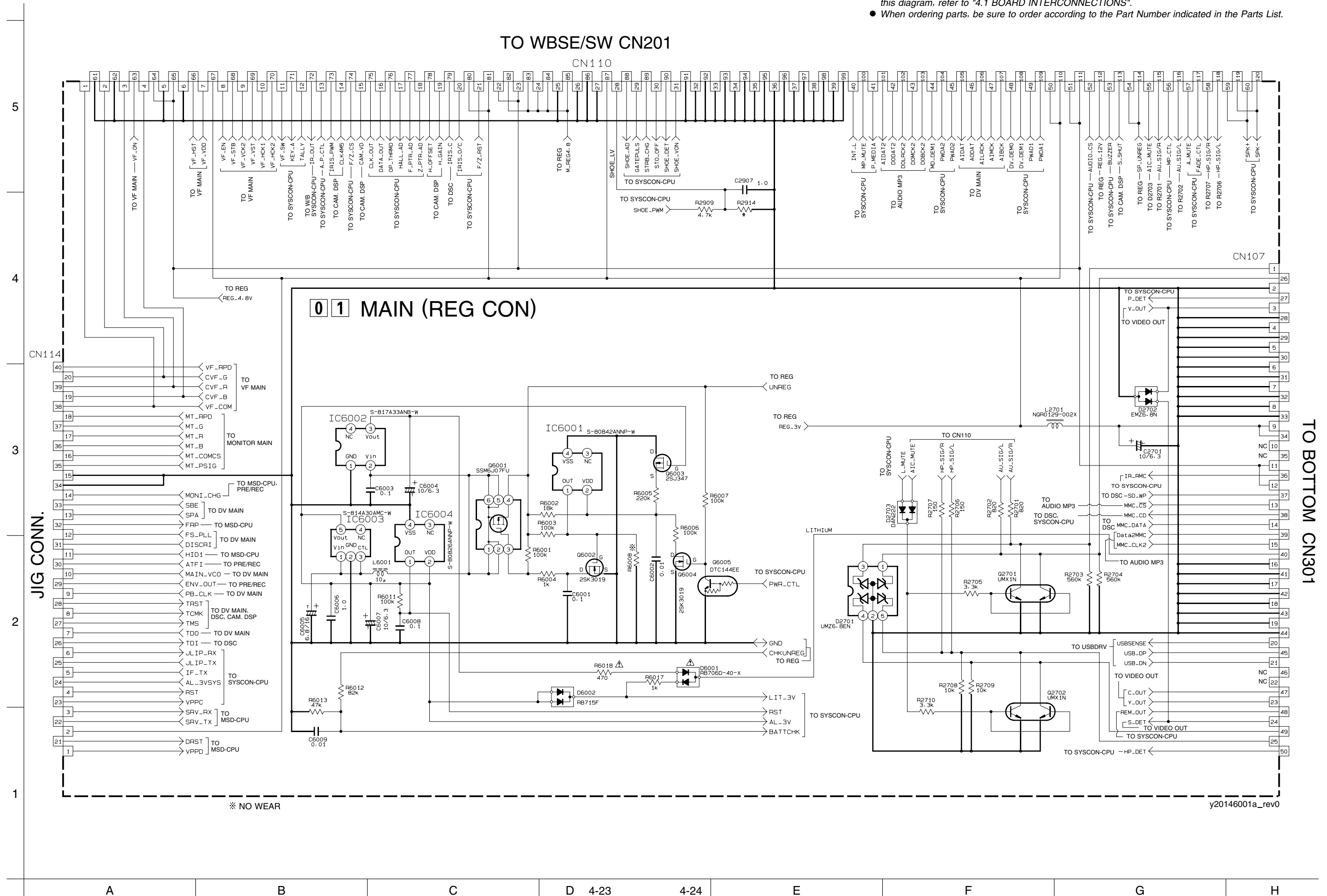
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.11 REG CON SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

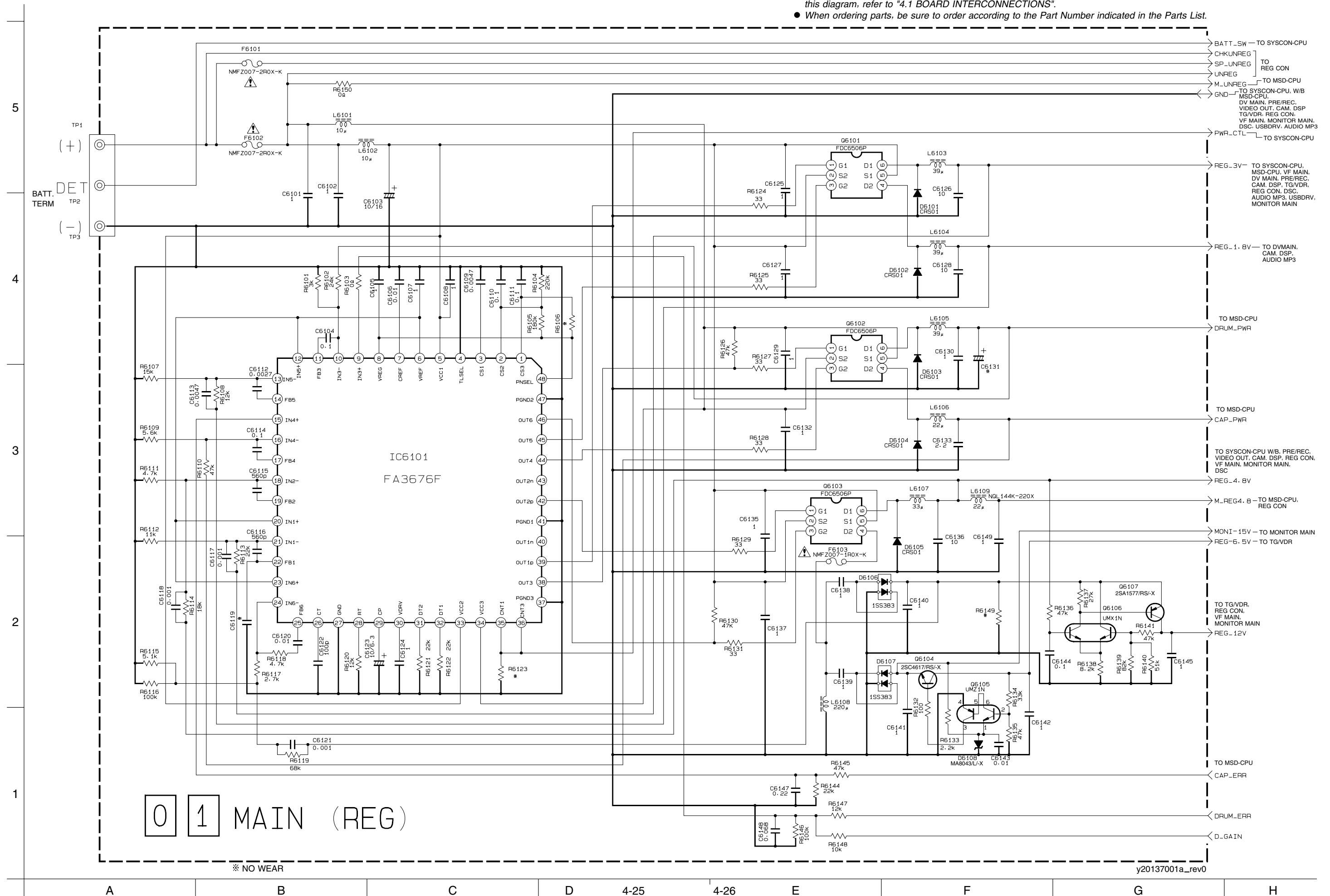
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.12 REG SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

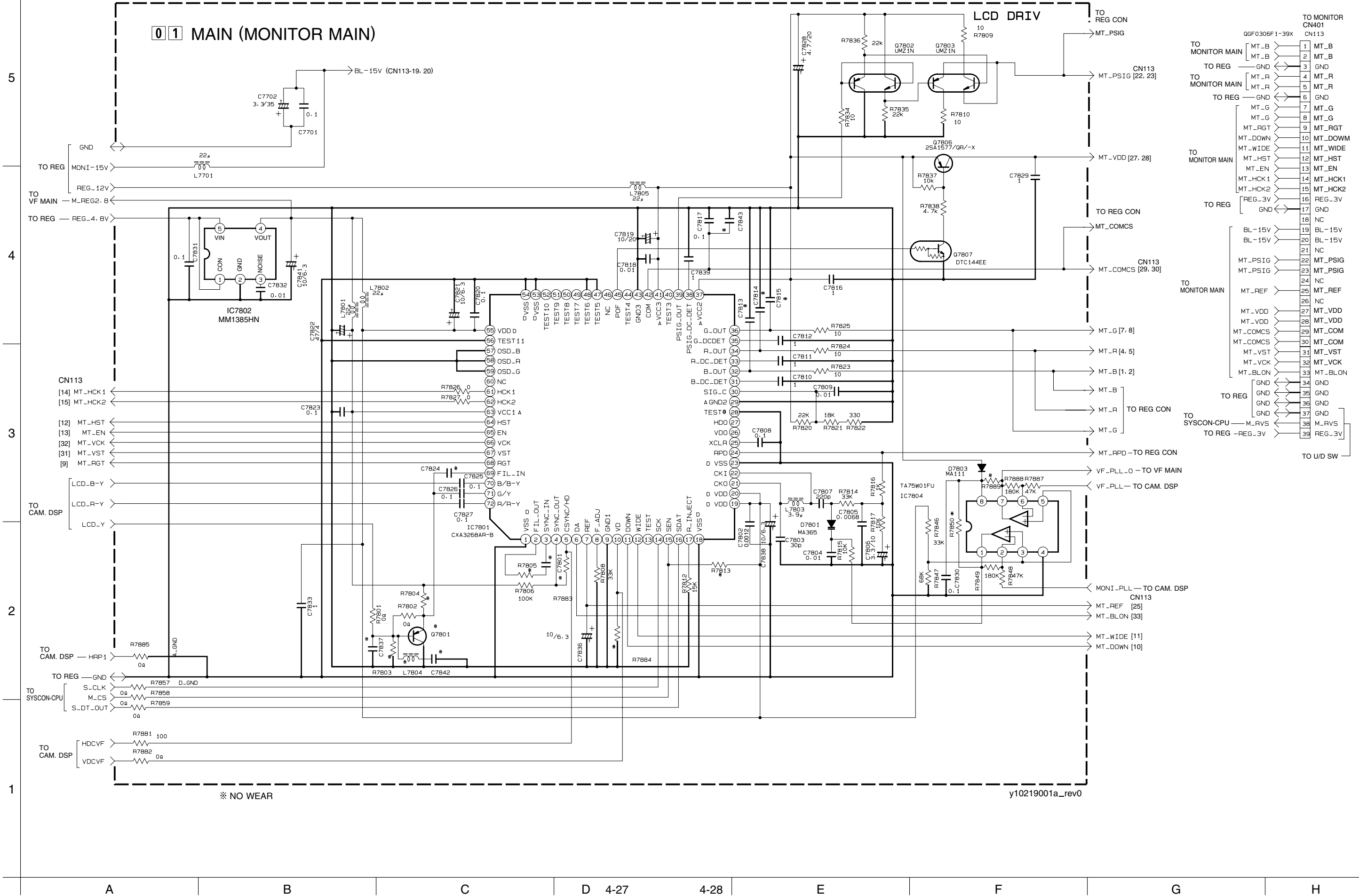
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.13 MONITOR MAIN SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



5

4

3

2

1



* NO WEAR

: Difference point

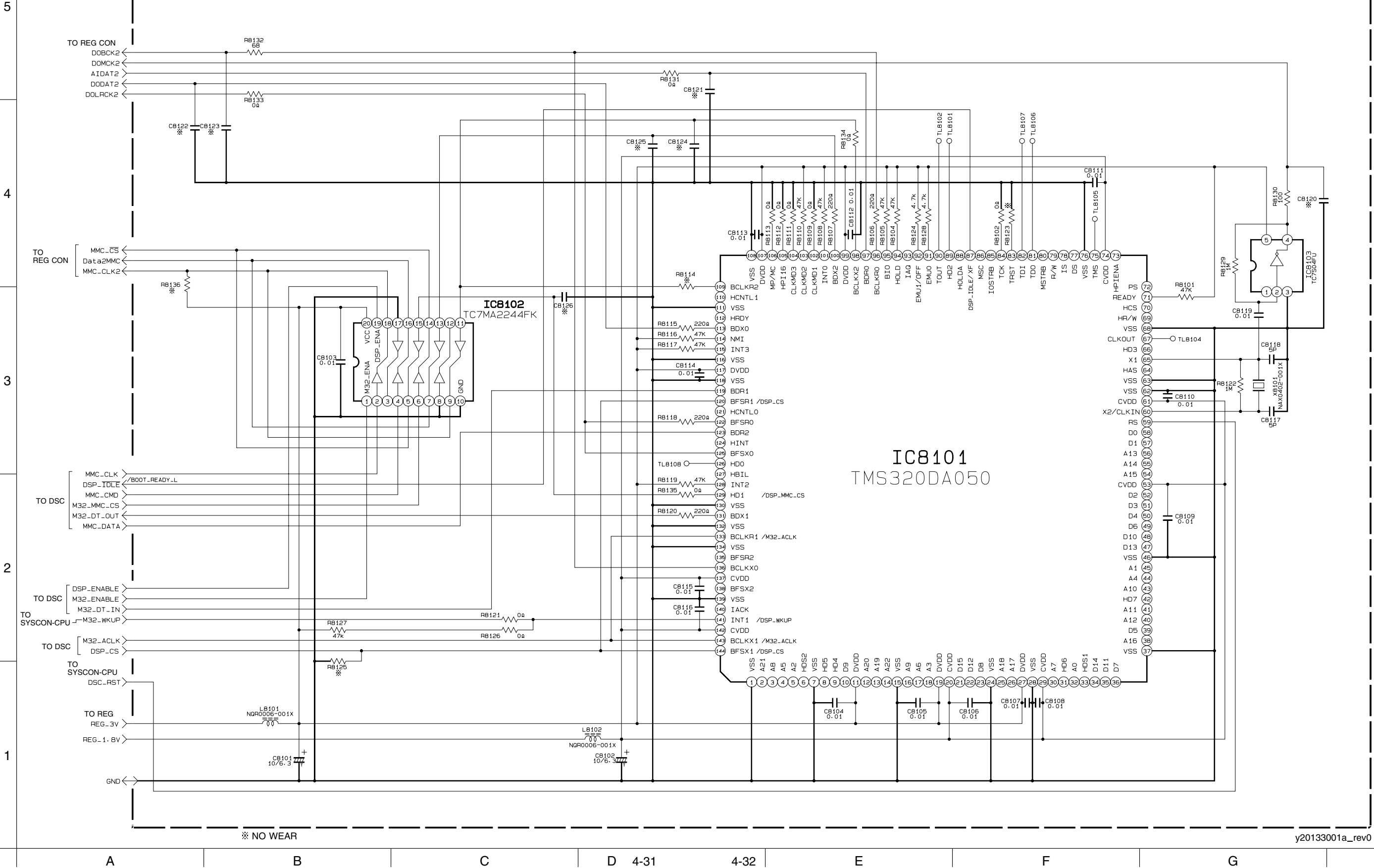
SYMBOL	IC8004
DOM	MBV800TA90PBA14
US	MBV800TA90PBA12
PAL	MBV800TA90PBA12

y10217001a_rev0

4.15 AUDIO MP3 SCHEMATIC DIAGRAM

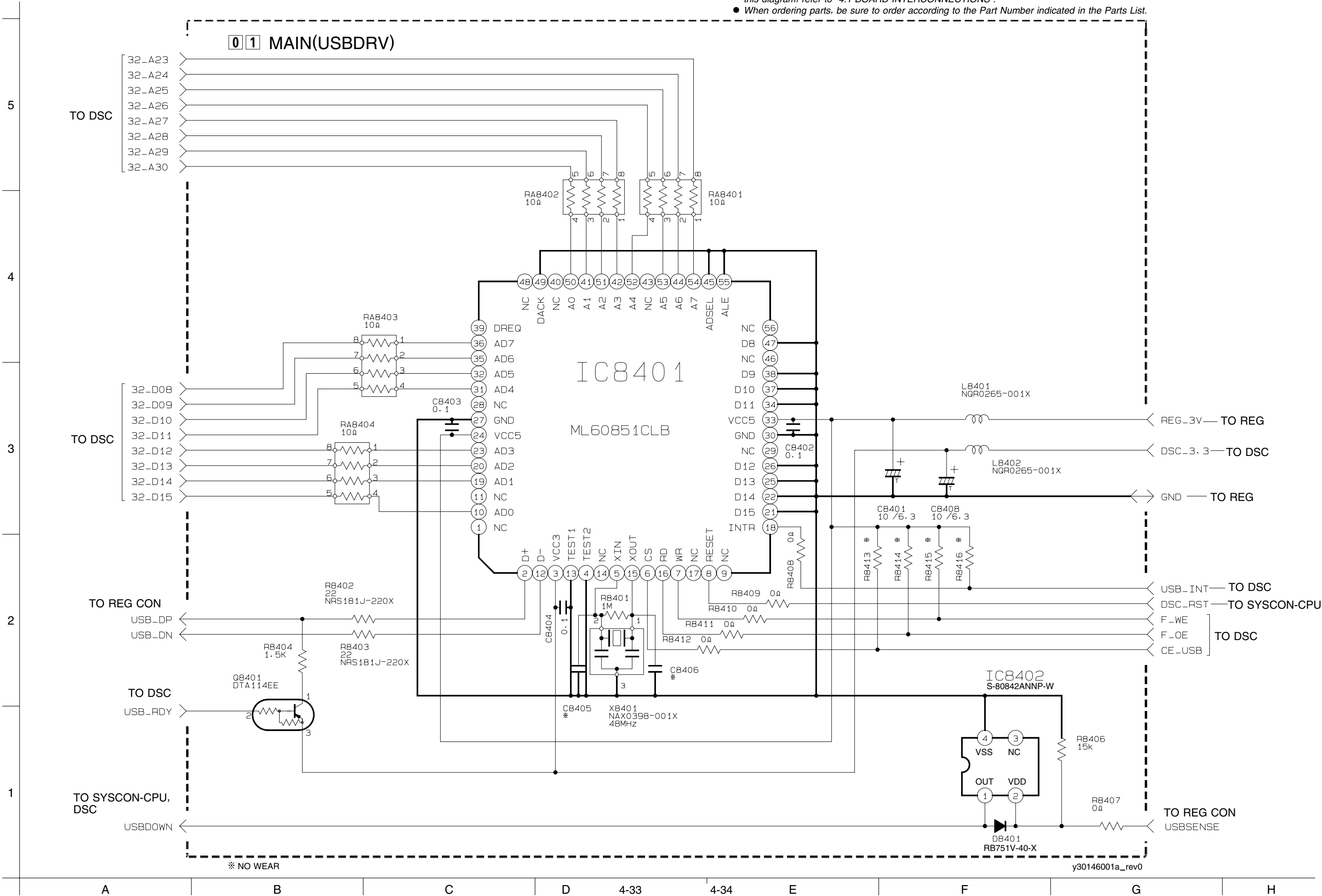
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.

01 MAIN (AUDIO MP3)



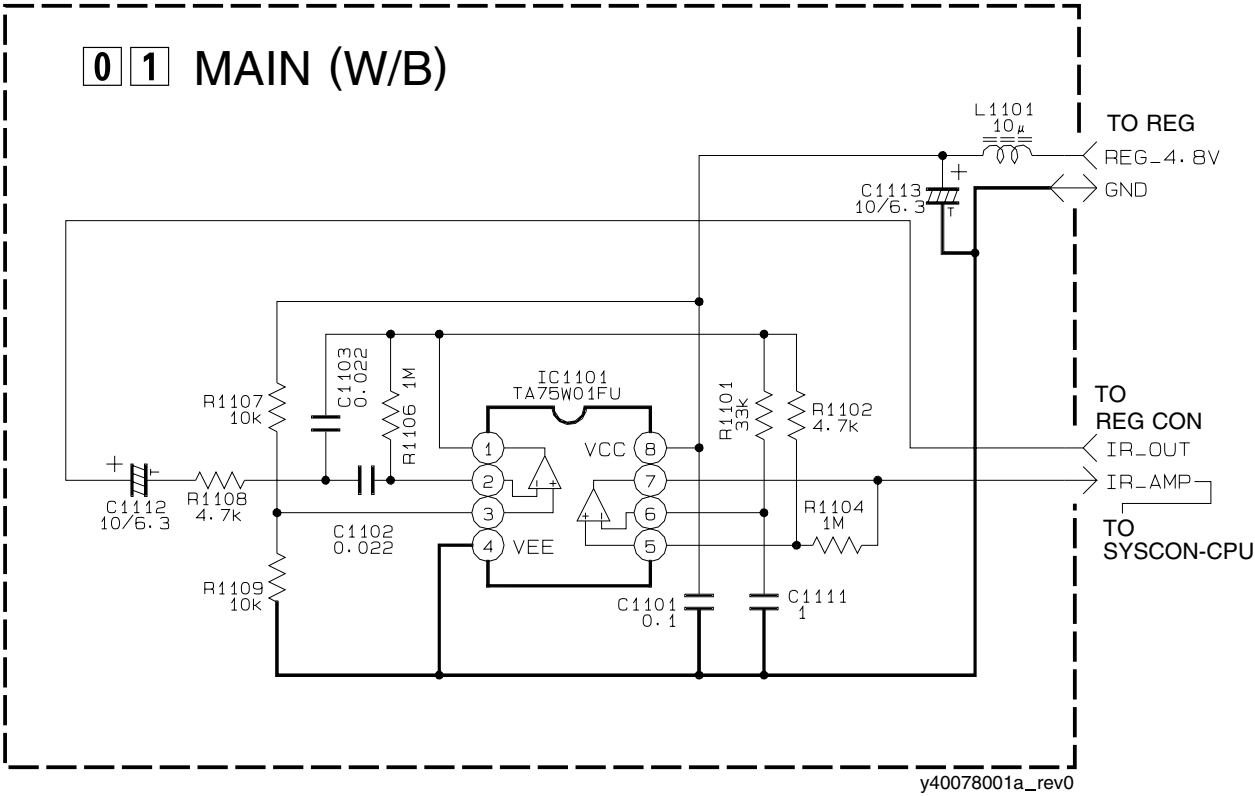
4.16 USBDRV SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.17 W/B SCHEMATIC DIAGRAM

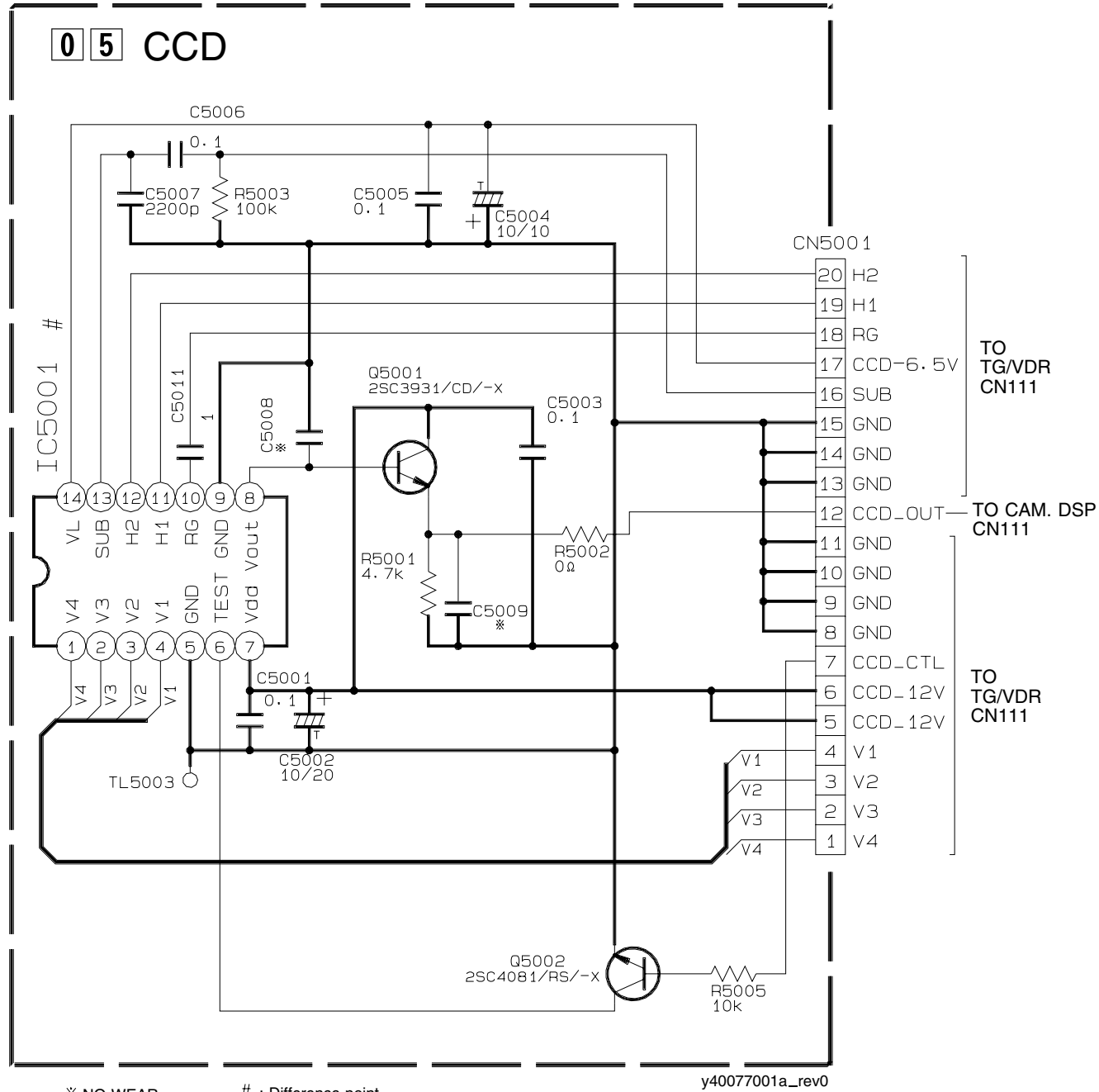
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.18 CCD SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.

● IC5001 is incorporated in the CCD base assembly.
When IC5001 needs replacement, replace the CCD base assembly in whole because it cannot be re-placed alone.



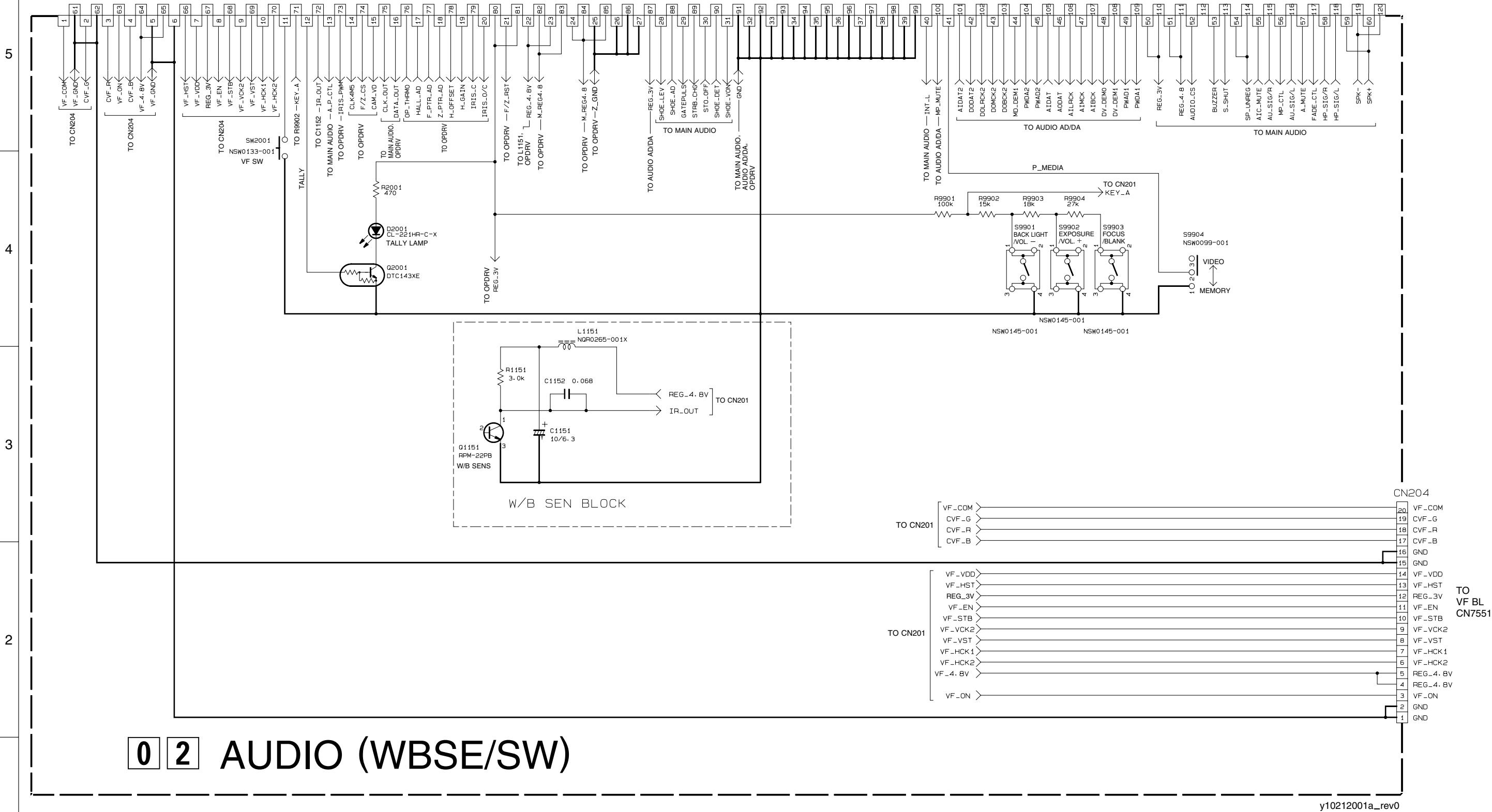
※ NO WEAR # : Difference point

	IC5001
NTSC	ICX220AK-K
PAL	ICX221BK-K

4.19 WBSE/SW SCHEMATIC DIAGRAM

TO REG CON
CN110

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.

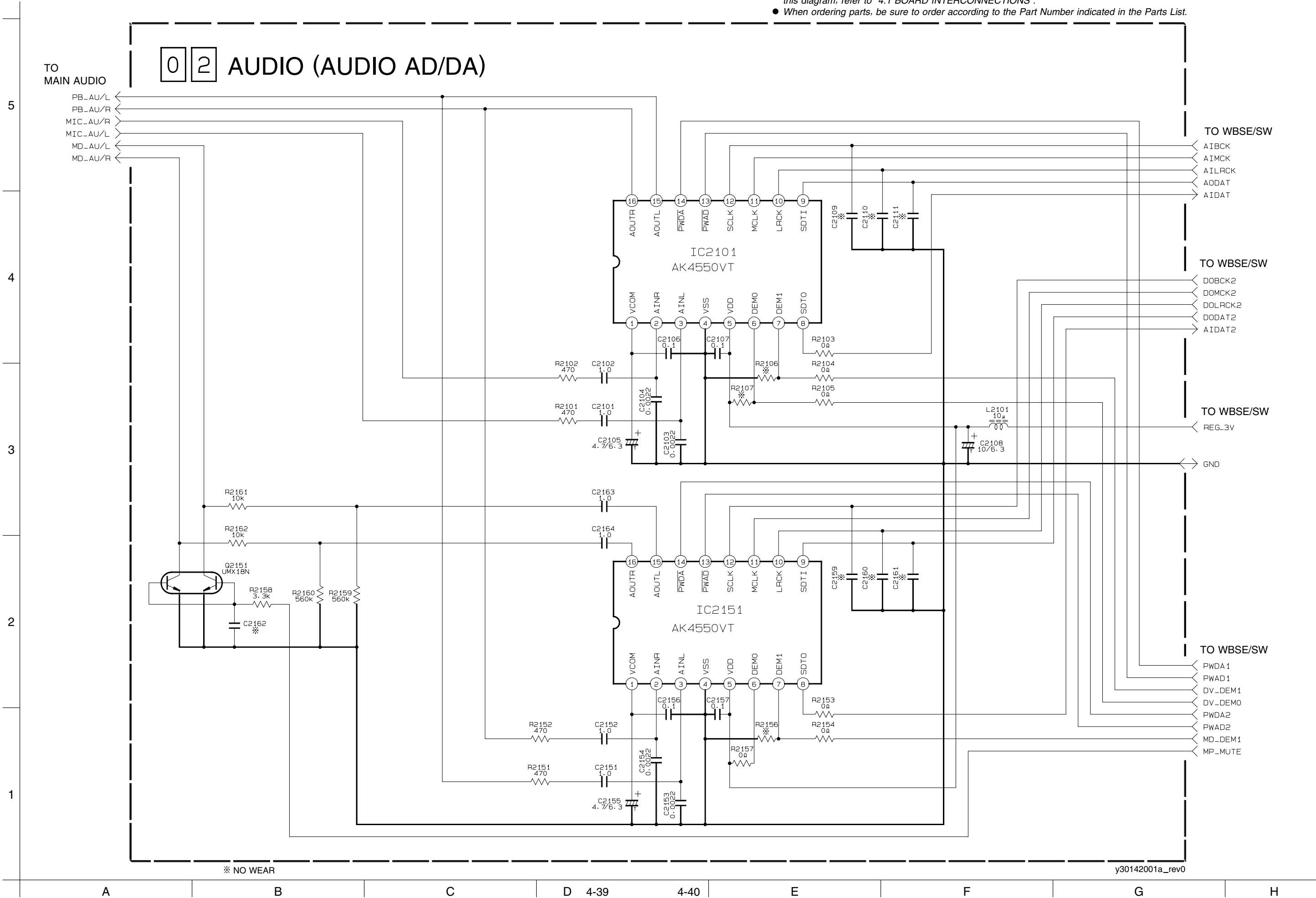


0 2 AUDIO (WBSE/SW)

y10212001a_rev0

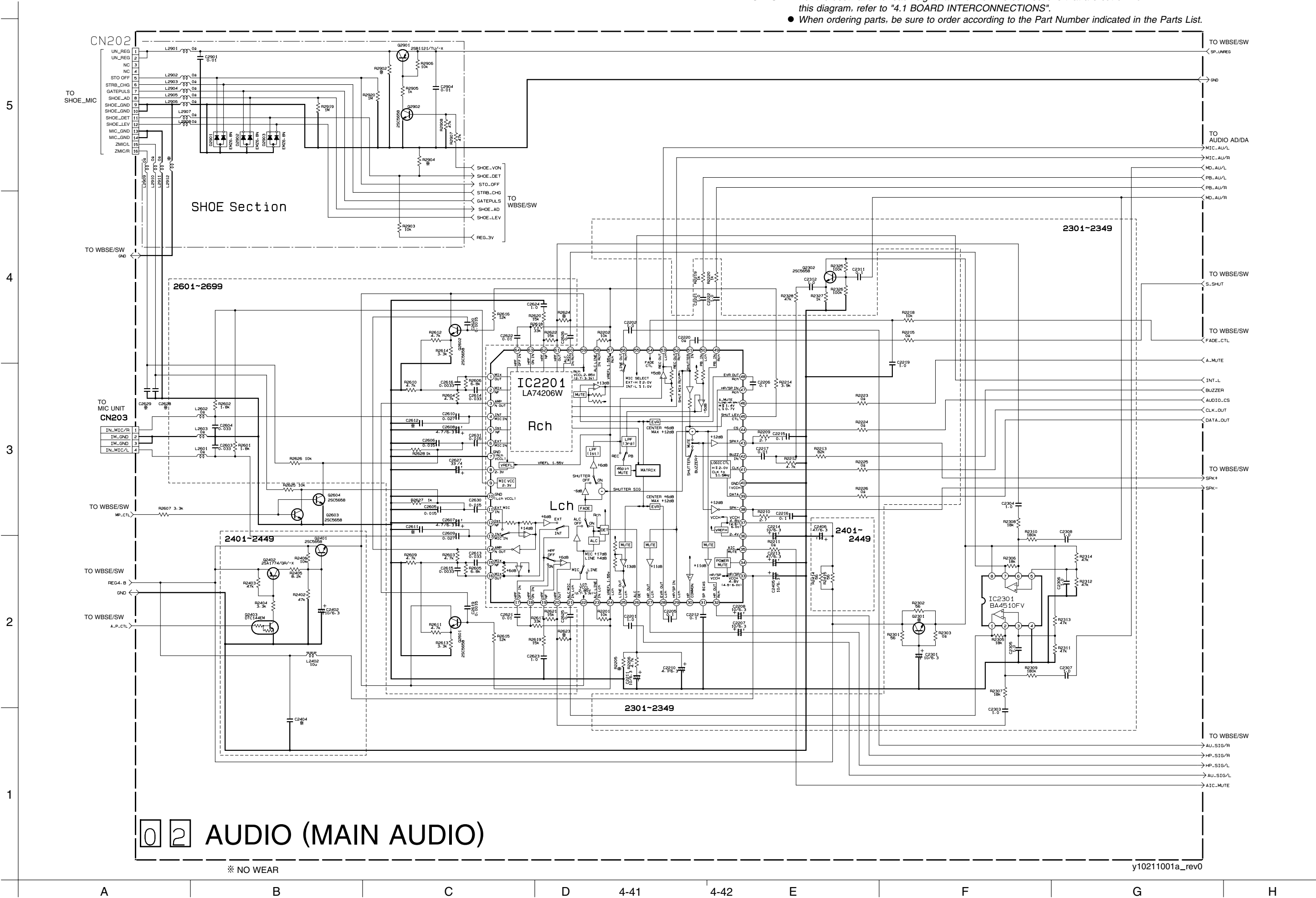
4.20 AUDIO AD/DA SCHEMATIC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.21 MAIN AUDIO SCHEMATIC DIAGRAM

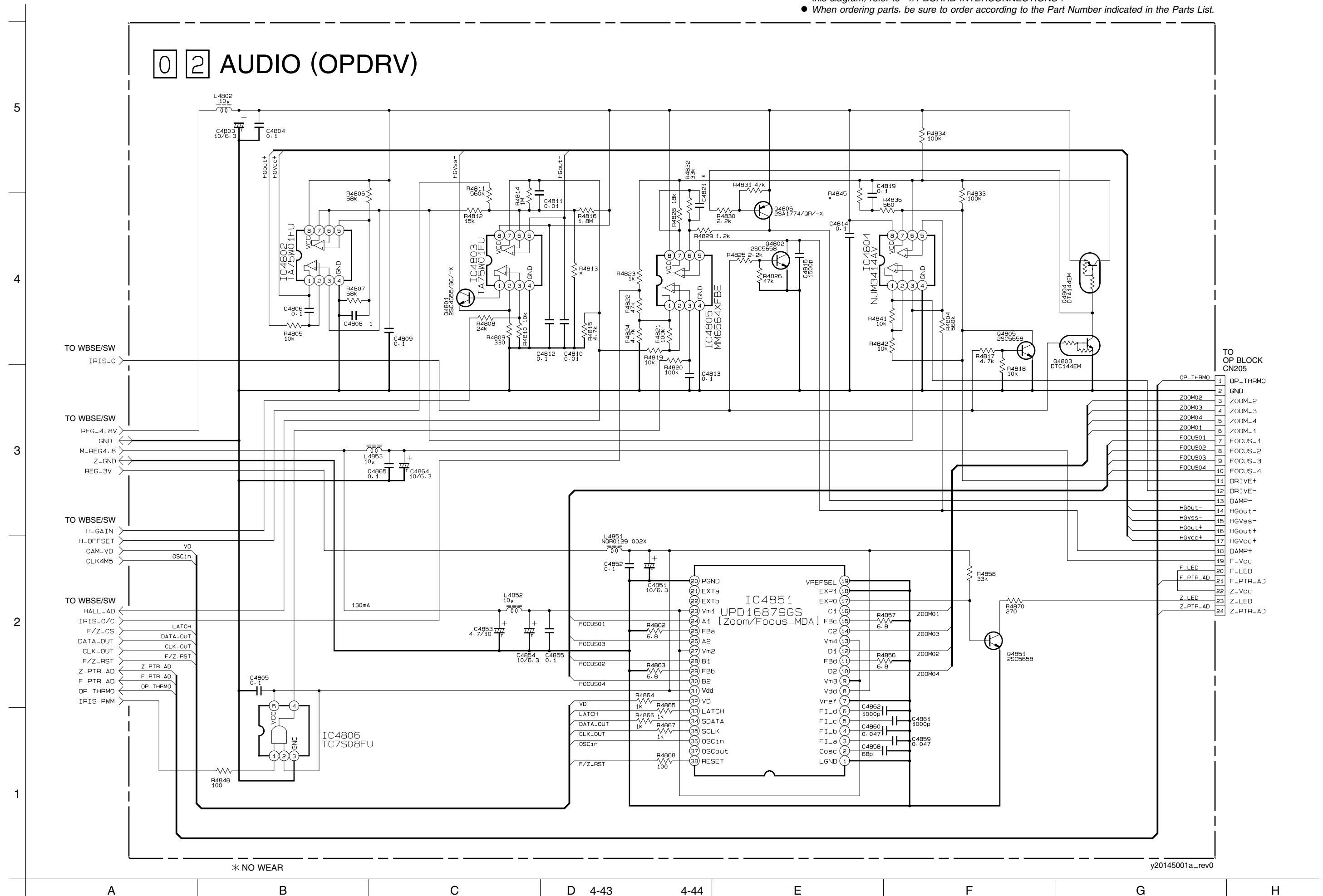
- NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.22 OPDRV SCHEMAITC DIAGRAM

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

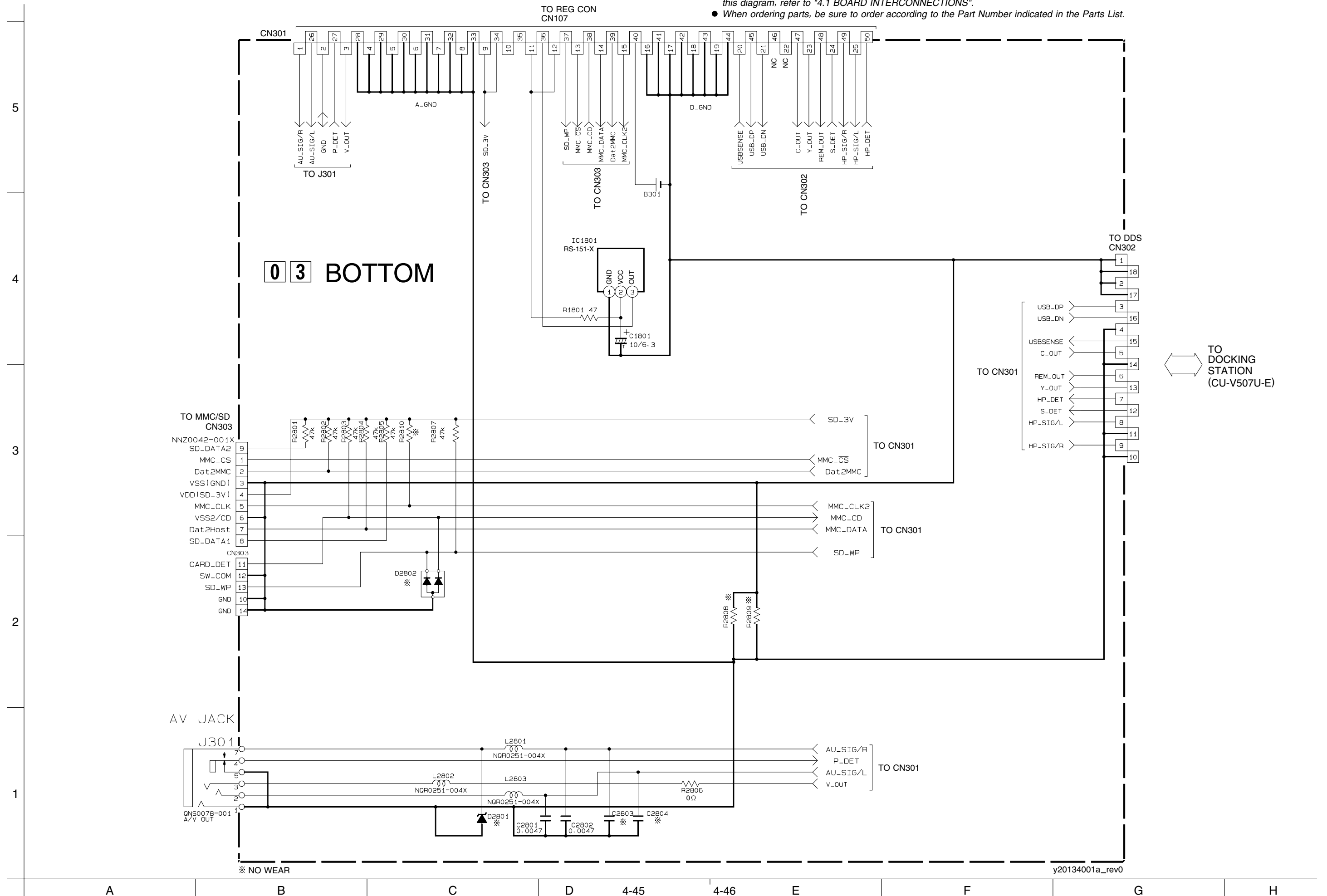
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.23 BOTTOM SCHEMATIC DIAGRAM

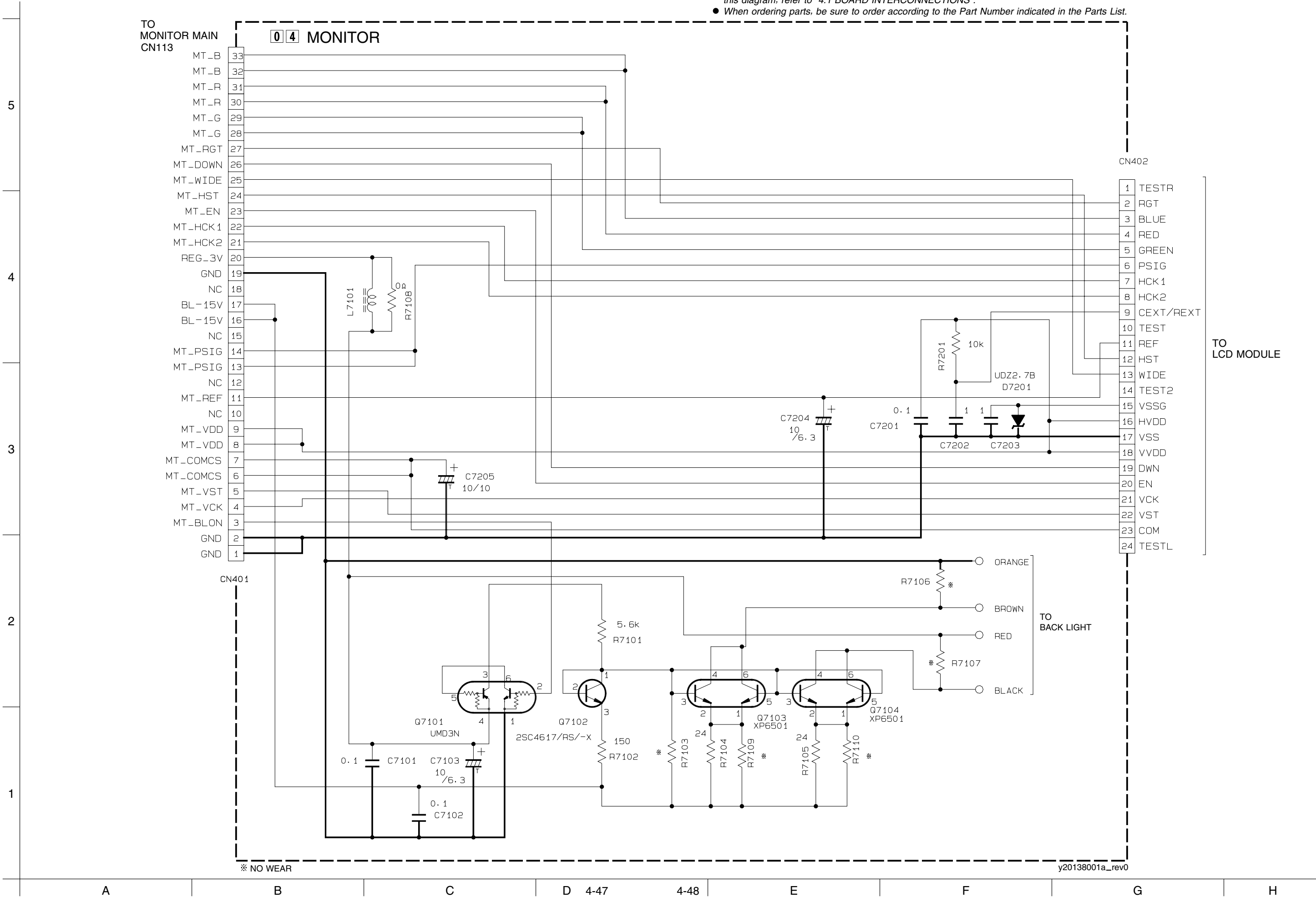
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".

● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.24 MONITOR SCHEMATIC DIAGRAM

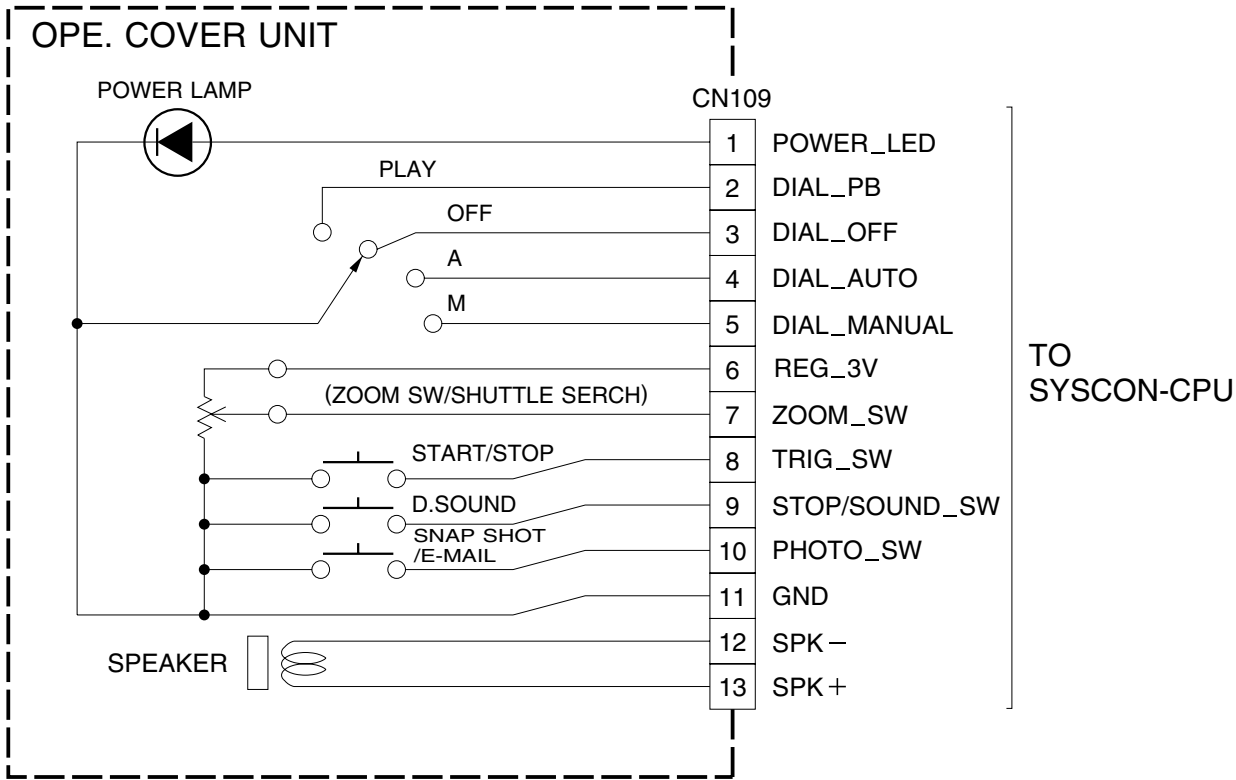
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



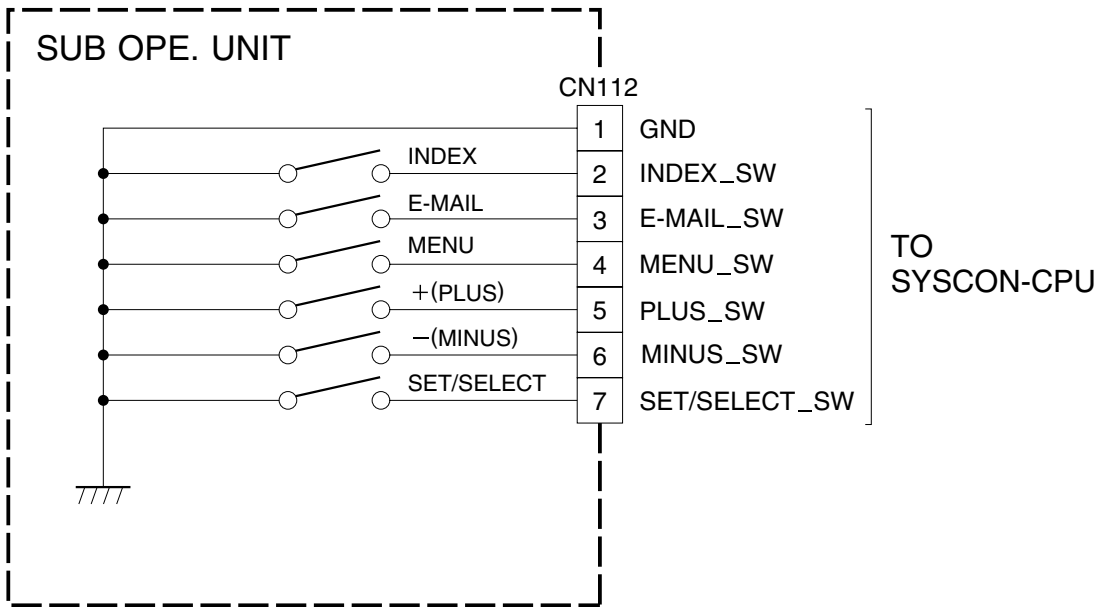
4.25 OPE. COVER UNIT AND SUB OPE. UNIT SCHEMATIC DIAGRAMS

NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● The schematic diagram is only for reference. Avoid replacing individual parts. Replace the entire unit only.

—OPE. COVER UNIT —



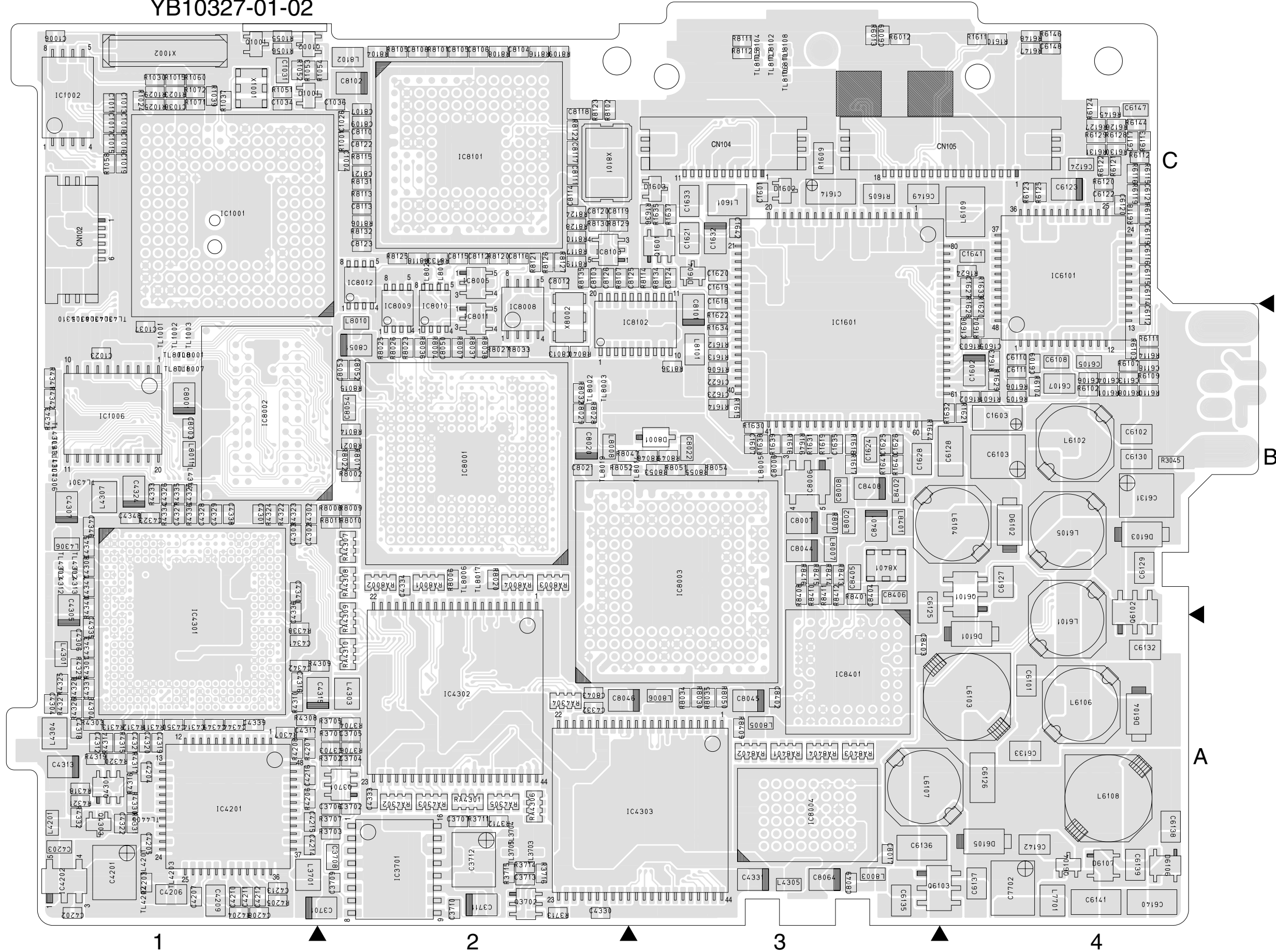
—SUB OPE. UNIT —



4.26 MAIN CIRCUIT BOARD

01 MAIN PWB
YB10327-01-02

FOIL SIDE(B)



COMPONENT PARTS LOCATION GUIDE

< MAIN/ YB10327-01-02 >

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	
CAPACITOR			C3020	A C 3B	C4202	B C 1A	C6001	A C 4B	C7432	A C 1B	C8114	B C 2C	IC3004	A C 2B	L6106	B C 4A
C1004	B C 2C	C3021	A C 3B	C4203	B C 1A	C6002	A C 4A	C7433	A C 1B	C8115	B C 2C	IC3005	A C 4C	L6107	B C 3A	
C1006	A C 1C	C3022	A C 3C	C4204	B C 1A	C6003	A C 4A	C7434	A C 1B	C8116	B C 2C	IC3006	A C 2B	L6108	B C 4A	
C1007	B C 1C	C3023	A C 3B	C4205	B C 1A	C6004	A C 4A	C7701	A C 2A	C8117	B C 2C	IC3501	A C 2C	L6109	B C 4C	
C1011	A C 1C	C3024	A C 3B	C4206	B C 1A	C6005	A C 4A	C7702	B C 4A	C8118	B C 2C	IC3701	B C 2A	L7401	A C 1B	
C1013	B C 1C	C3025	A C 3B	C4207	B C 1A	C6006	A C 4A	C7801	A C 2B	C8119	B C 2C	IC4201	B C 1A	L7402	A C 2B	
C1015	B C 1C	C3026	A C 4B	C4208	B C 1A	C6007	A C 4A	C7802	A C 3A	C8120	B C 2C	IC4202	B C 1A	L7403	A C 2B	
C1016	B C 1C	C3027	A C 4C	C4209	B C 1A	C6008	A C 4A	C7803	A C 3A	C8121	B C 2C	IC4301	B C 1A	L7404	A C 1B	
C1017	B C 1C	C3028	A C 4B	C4210	B C 1A	C6009	B C 3C	C7804	A C 3A	C8122	B C 2C	IC4302	B C 2A	L7405	A C 2B	
C1018	B C 1C	C3029	A C 4C	C4211	B C 1A	C6101	B C 4A	C7805	A C 3A	C8123	B C 2C	IC4303	B C 3A	L7701	B C 4A	
C1019	B C 1C	C3030	A C 3C	C4212	B C 1A	C6102	B C 4B	C7806	A C 3A	C8124	B C 3C	IC4304	A C 4A	L7801	A C 2A	
C1023	B C 1B	C3031	A C 3C	C4213	B C 1A	C6103	B C 4B	C7807	A C 3A	C8125	B C 3C	IC5501	A C 1A	L7802	A C 2A	
C1026	B C 2C	C3032	A C 3C	C4214	B C 1A	C6104	B C 4B	C7808	A C 3A	C8126	B C 2C	IC6001	A C 4A	L7803	A C 3A	
C1027	A C 1C	C3033	A C 3C	C4215	B C 1A	C6105	B C 4B	C7809	A C 3A	C8401	B C 3B	IC6002	A C 4A	L7804	A C 2A	
C1028	A C 1C	C3034	A C 3C	C4216	B C 1A	C6106	B C 4B	C7810	A C 3A	C8402	B C 3A	IC6003	A C 4A	L7805	A C 2A	
C1029	A C 1C	C3035	A C 3C	C4301	B C 1B	C6107	B C 4B	C7811	A C 3A	C8403	B C 3A	IC6004	A C 4A	L8001	A C 2B	
C1030	A C 1C	C3036	A C 3B	C4302	B C 1B	C6108	B C 4B	C7812	A C 3A	C8404	B C 3B	IC6101	B C 4C	L8002	B C 3B	
C1031	B C 1C	C3037	A C 3B	C4303	B C 1B	C6109	B C 4B	C7813	A C 3A	C8405	B C 3B	IC7402	A C 2B	L8003	B C 3A	
C1034	B C 1C	C3038	A C 3C	C4304	B C 1A	C6110	B C 4B	C7814	A C 3A	C8406	B C 3B	IC7801	A C 2A	L8005	B C 3A	
C1036	B C 2C	C3039	A C 3C	C4305	B C 1B	C6111	B C 4B	C7815	A C 3A	C8408	B C 3B	IC7802	A C 2A	L8006	B C 3A	
C1037	B C 1B	C3040	A C 3C	C4306	B C 1A	C6112	B C 4B	C7816	A C 3A	CONNECTOR			IC7804	A C 3A	L8007	B C 3B
C1038	B C 1C	C3041	A C 3C	C4307	B C 1B	C6113	B C 4B	C7817	A C 2A	CN101	A C 2C	IC8001	B C 2B	L8008	B C 2B	
C1101	A C 1C	C3042	A C 3C	C4308	B C 1B	C6114	B C 4C	C7818	A C 2A	CN102	B C 1C	IC8002	B C 1B	L8010	B C 2B	
C1102	A C 2C	C3043	A C 3C	C4309	A C 4A	C6115	B C 4C	C7819	A C 3A	CN103	A C 1C	IC8003	B C 3B	L8011	B C 1B	
C1103	A C 2C	C3044	A C 3B	C4310	A C 4A	C6116	B C 4C	C7820	A C 2A	CN104	B C 3C	IC8004	B C 3A	L8101	B C 3B	
C1111	A C 1C	C3045	A C 4C	C4311	A C 4A	C6117	B C 4C	C7821	A C 2A	CN105	B C 4C	IC8005	B C 2C	L8102	B C 2C	
C1112	A C 1C	C3046	A C 3B	C4312	B C 1A	C6118	B C 4B	C7822	A C 2A	CN106	A C 4B	IC8006	B C 3B	L8401	B C 3B	
C1113	A C 1C	C3047	A C 3C	C4313	B C 1A	C6119	B C 4C	C7823	A C 2A	CN107	A C 4A	IC8007	A C 2B	L8402	B C 3B	
C1401	A C 3B	C3048	A C 4B	C4314	B C 1A	C6120	B C 4C	C7824	A C 2A	CN108	A C 4B	IC8008	B C 2B	TRANSISTOR		
C1402	A C 3B	C3049	A C 3B	C4315	B C 2A	C6121	B C 4C	C7825	A C 2B	CN109	A C 1C	IC8009	B C 2B	Q1001	B C 1C	
C1403	A C 3A	C3051	A C 3B	C4316	B C 1A	C6122	B C 4C	C7826	A C 2A	CN110	A C 1B	IC8010	B C 2B	Q1002	A C 1C	
C1404	A C 3B	C3052	A C 3B	C4317	B C 1A	C6123	B C 4C	C7827	A C 2B	CN111	A C 1A	IC8011	B C 2B	Q1003	A C 1C	
C1405	A C 4B	C3053	A C 3B	C4318	B C 1A	C6124	B C 4C	C7828	A C 3A	CN112	A C 1A	IC8012	B C 2C	Q1004	A C 1C	
C1406	A C 3A	C3054	A C 3B	C4319	B C 1A	C6125	B C 3B	C7829	A C 2A	CN113	A C 2A	IC8101	B C 2C	Q1006	A C 1C	
C1407	A C 4B	C3056	A C 4B	C4320	B C 1A	C6126	B C 4A	C7830	A C 3A	CN114	A C 3A	IC8102	B C 3B	Q1007	A C 1C	
C1408	A C 4B	C3057	A C 4B	C4321	B C 1A	C6127	B C 4B	C7831	A C 2A	DIODE		IC8103	B C 2C	Q1401	A C 3A	
C1414	A C 3B	C3058	A C 3B	C4322	B C 1A	C6128	B C 4B	C7832	A C 2A	D1001	B C 1C	IC8401	B C 3A	Q1402	A C 4B	
C1415	A C 3B	C3060	A C 2B	C4323	B C 1B	C6129	B C 4B	C7833	A C 3B	D1002	A C 1C	IC8402	A C 4B	Q1403	A C 4B	
C1416	A C 4B	C3061	A C 2B	C4324	B C 1B	C6130	B C 4B	C7836	A C 2B	D1602	B C 3C	COIL		Q1601	B C 3C	
C1417	A C 3B	C3062	A C 2B	C4325	B C 1B	C6131	B C 4B	C7837	A C 2A	D1603	B C 3C	L1002	A C 1C	Q2701	A C 3A	
C1418	A C 3B	C3063	A C 3B	C4326	B C 1B	C6132	B C 4A	C7838	A C 3B	D1604	B C 3C	L1101	A C 1C	Q2702	A C 4A	
C1419	A C 3B	C3065	A C 3C	C4327	B C 1B	C6133	B C 4A	C7839	A C 2A	D2701	A C 4A	L1401	A C 4B	Q3701	B C 2A	
C1420	A C 3B	C3501	A C 2B	C4328	B C 1B	C6135	B C 3A	C7841	A C 2A	D2702	A C 3A	L1601	B C 3C	Q3702	B C 2A	
C1601	B C 3C	C3502	A C 2B	C4329	B C 1B	C6136	B C 3A	C7842	A C 2A	D2703	A C 3A	L2701	A C 4A	Q4301	B C 1A	
C1602	B C 4B	C3503	A C 2C	C4330	B C 2A	C6137	B C 4A	C7843	A C 2A	D3001	A C 3B	L3001	A C 4C	Q4303	B C 1A	
C1603	B C 4B	C3504	A C 2C	C4331	B C 3A	C6138	B C 4A	C8001	B C 1B	D3002	A C 3C	L3002	A C 4C	Q6001	A C 4A	
C1605	B C 4B	C3505	A C 2C	C4332	B C 2A	C6139	B C 4A	C8003	B C 1B	D3003	A C 3C	L3003	A C 4C	Q6002	A C 4A	
C1606	B C 4B	C3506	A C 2C	C4333	B C 2A	C6140	B C 4A	C8006	B C 3B	D5501	A C 2A	L3004	A C 4C	Q6003	A C 4A	
C1607	B C 3B	C3507	A C 2C	C4334	B C 2B	C6141	B C 4A	C8007	B C 3B	D6001	A C 4A	L3005	A C 3C	Q6004	A C 4B	
C1614	B C 3C	C3508	A C 2C	C4335	B C 1A	C6142	B C 4A	C8008	B C 3B	D6002	A C 4A	L3006	A C 4B	Q6005	A C 4B	
C1618	B C 3C	C3509	A C 2C	C4336	B C 1B	C6143	A C 4A	C8009	A C 3B	D6101	B C 4A	L3007	A C 3B	Q6101	B C 4B	
C1619	B C 3C	C3510	A C 2C	C4337	B C 1A	C6144	A C 4A	C8010	A C 3B	D6102	B C 4B	L3008	A C 3C	Q6102	B C 4B	
C1620	B C 3C	C3511	A C 2C	C4338	B C 1B	C6145	A C 4A	C8011	A C 2B	D6103	B C 4B	L3009	A C 3C	Q6103	B C 3A	
C1621	B C 3C	C3512	A C 3C	C4339	B C 1A	C6147	B C 4C	C8012	B C 2C	D6104	B C 4A	L3010	A C 4B	Q6104	B C 4A	
C1622	B C 3B	C3513	A C 3C	C4340	B C 1B	C6148	B C 4C	C8013	B C 2B	D6105	B C 4A	L3011	A C 4B	Q6105	A C 4A	
C1623	B C 3B	C3514	A C 3C	C4341	B C 1A	C6149	B C 3C	C8017	B C 3A	D6106	B C 4A	L3012	A C 4B	Q6106	A C 4A	
C1624	B C 3B	C3515	A C 3C	C4342	B C 1A	C7401	A C 1B	C8020	B C 2B	D6107	B C 4A	L3013	A C 2B	Q6107	A C 4A	
C1625	B C 3B	C3516	A C 3C	C4343	B C 1A	C7402	A C 2B	C8021	B C 2B	D6108	A C 4A	L3501	A C 3C	Q7402	A C 2B	
C1626	B C 3B	C3517	A C 2B	C4344	B C 1A	C7403	A C 1B	C8022	B C 3B	D7401	A C 1B	L3502	A C 2B	Q7801	A C 2A	
C1627	B C 4C	C3518	A C 2B	C4345	B C 1B	C7404	A C 1B	C8043	B C 2A	D7801	A C 3A	L3503	A C 2B	Q7802	A C 3A	
C1628	B C 3B	C3519	A C 2B	C4346	B C 1B	C7405	A C 1B	C8044	B C 3A	D8001	B C 3B	L3504	A C 2B	Q7803	A C 3A	
C1632	B C 3C	C3520	A C 2B	C4347	B C 1B	C7406	A C 1B	C8045	B C 2A	D8401	A C 4B	L3505	A C 2C	Q7806	A C 2A	
C1633	B C 3C	C3521	A C 2B	C4348	B C 1B	C7407	A C 1B	C8046	B C 3A	FUSE		L4301	B C 1A	RESISTOR		
C1635	B C 3B	C3522	A C 2B	C4349	B C 1A	C7408	A C 1B	C8049	B C 3A	F6101	A C 4C	L4302	A C 4B	R1001	B C 2C	
C1641	B C 4C	C3523	A C 2B	C4350	B C 1A	C7411	A C 1C	C8050	B C 2B	F6102	A C 4C	L4303	B C 2A	R1002	A C 2C	
C1642	B C 3C	C3524	A C 2B	C5501	A C 1A	C7413	A C 1B	C8051	B C 2B	F6103	A C 4A	L4304	B C 1A	R1003	A C 1C	
C1701	A C 4C	C3525	A C 2B	C5503	A C 1A	C7414	A C 1B									

COMPONENT PARTS LOCATION GUIDE

<MAIN/ YB10327-01-02 >

REF.NO.	LOCATION			REF.NO.	LOCATION			REF.NO.	LOCATION			REF.NO.	LOCATION			REF.NO.	LOCATION			REF.NO.	LOCATION			REF.NO.	LOCATION						
R1018	A	C	1C	R1635	B	C	3C	R3501	A	C	2C	R5510	A	C	1B	R7426	A	C	1B	R8037	B	C	2B	RA8402	B	C	3A	TL8008	B	C	1B
R1020	A	C	2B	R1636	B	C	3C	R3502	A	C	2C	R5511	A	C	1B	R7433	A	C	2B	R8038	B	C	2B	RA8403	B	C	3A	TL8011	B	C	1B
R1021	A	C	2B	R1637	B	C	3C	R3503	A	C	2C	R5512	A	C	1B	R7436	A	C	2B	R8040	B	C	2B	RA8404	B	C	3A	TL8014	B	C	3B
R1022	A	C	2B	R1638	B	C	3B	R3504	A	C	2C	R5513	A	C	1B	R7437	A	C	2B	R8046	B	C	3B	TEST POINT			TL8015	B	C	2C	
R1023	B	C	1C	R1639	B	C	3B	R3505	A	C	2C	R5514	A	C	1B	R7439	A	C	2B	R8047	B	C	2B	TP1403	A	C	4B	TL8017	B	C	2B
R1024	B	C	1C	R1640	B	C	3B	R3506	A	C	2C	R6001	A	C	4A	R7440	A	C	2B	R8049	B	C	3B	TP1404	A	C	4B	TL8019	B	C	2B
R1025	B	C	1C	R1641	B	C	3B	R3507	A	C	2C	R6002	A	C	4A	R7441	A	C	2B	R8050	B	C	3A	TP1409	A	C	3B	TL8020	B	C	2C
R1026	A	C	1C	R1643	B	C	4B	R3508	A	C	2C	R6003	A	C	4A	R7445	A	C	1B	R8051	B	C	3B	TP1416	A	C	4B	TL8101	B	C	3C
R1029	B	C	1C	R1644	B	C	3B	R3509	A	C	2B	R6004	A	C	4A	R7446	A	C	1B	R8052	B	C	2B	TP1417	A	C	3B	TL8102	B	C	3C
R1030	B	C	1C	R1646	B	C	3B	R3521	A	C	2C	R6005	A	C	4A	R7447	A	C	2B	R8053	B	C	3B	TP1418	A	C	3B	TL8104	B	C	3C
R1037	B	C	1C	R1701	A	C	4C	R3522	A	C	3C	R6006	A	C	4A	R7448	A	C	2B	R8054	B	C	3B	TP1419	A	C	3B	TL8105	B	C	3C
R1039	B	C	1C	R1702	A	C	4C	R3523	A	C	2B	R6007	A	C	4B	R7449	A	C	1B	R8055	B	C	3B	OTHER			TL8106	B	C	3C	
R1044	A	C	1C	R1703	A	C	4C	R3524	A	C	3C	R6008	A	C	4A	R7801	A	C	2A	R8101	B	C	2C	PC06	A	C	5C	TM2	A	C	5C
R1045	A	C	1C	R1704	A	C	4C	R3525	A	C	2C	R6011	A	C	4A	R7802	A	C	2A	R8102	B	C	2C	PC01296	A	D	3C	X1001	B	C	1C
R1046	A	C	1C	R1705	A	C	4C	R3526	A	C	2B	R6012	B	C	3C	R7803	A	C	2A	R8104	B	C	2C	S1001	A	C	1C	X1002	B	C	1C
R1047	A	C	1C	R1706	A	C	4C	R3527	A	C	2B	R6013	B	C	3C	R7804	A	C	2A	R8105	B	C	2C	TL1001	B	C	1B	X1401	A	C	3B
R1048	A	C	1C	R1707	A	C	4C	R3701	B	C	2A	R6017	A	C	4A	R7805	A	C	2B	R8106	B	C	2C	TL1002	B	C	1B	X3002	A	C	3B
R1049	A	C	1C	R1708	A	C	4C	R3702	B	C	2A	R6018	A	C	4A	R7806	A	C	2B	R8107	B	C	2C	TL1003	B	C	1B	X5501	A	C	2A
R1050	A	C	1C	R1709	A	C	4C	R3703	B	C	2A	R6101	B	C	4B	R7808	A	C	2B	R8108	B	C	2C	TL1401	A	C	3A	X8002	B	C	2B
R1051	B	C	1C	R1710	A	C	4C	R3704	B	C	2A	R6102	B	C	4B	R7809	A	C	3A	R8109	B	C	2C	TL1402	A	C	3A	X8101	B	C	2C
R1052	B	C	1C	R1711	A	C	4C	R3705	B	C	2A	R6103	B	C	4B	R7810	A	C	3A	R8110	B	C	2C	TL1406	A	C	3A	X8401	B	C	3B
R1053	B	C	1C	R1712	A	C	4C	R3706	B	C	2A	R6104	B	C	4B	R7812	A	C	2B	R8111	B	C	3C	TL1407	A	C	4B				
R1054	B	C	2C	R2701	A	C	4A	R3707	B	C	2A	R6105	B	C	4B	R7813	A	C	2B	R8112	B	C	3C	TL1408	A	C	4B				
R1055	B	C	1C	R2702	A	C	4A	R3708	A	C	4A	R6106	B	C	4B	R7814	A	C	3A	R8113	B	C	2C	TL1410	A	C	4B				
R1056	B	C	1C	R2703	A	C	4A	R3709	A	C	3A	R6107	B	C	4B	R7815	A	C	3A	R8114	B	C	3C	TL1411	A	C	4B				
R1058	B	C	1C	R2704	A	C	4A	R3711	B	C	2A	R6108	B	C	4B	R7816	A	C	3A	R8115	B	C	2C	TL1412	A	C	3B				
R1060	B	C	1C	R2705	A	C	3A	R3712	B	C	2A	R6109	B	C	4B	R7817	A	C	3A	R8116	B	C	2C	TL1413	A	C	3B				
R1066	A	C	1B	R2706	A	C	3A	R3713	B	C	2A	R6110	B	C	4B	R7820	A	C	3A	R8117	B	C	2C	TL1414	A	C	3A				
R1071	B	C	1C	R2707	A	C	4A	R3714	B	C	2A	R6111	B	C	4B	R7821	A	C	3A	R8118	B	C	2C	TL1415	A	C	3A				
R1072	B	C	1C	R2708	A	C	3A	R3715	B	C	2A	R6112	B	C	4C	R7822	A	C	3A	R8119	B	C	2C	TL1416	A	C	3A				
R1101	A	C	1C	R2709	A	C	4A	R3716	B	C	2A	R6113	B	C	4C	R7823	A	C	3A	R8120	B	C	2C	TL1601	A	C	4C				
R1102	A	C	2C	R2710	A	C	3A	R4203	B	C	1A	R6114	B	C	4B	R7824	A	C	3A	R8121	B	C	2C	TL1602	A	C	4C				
R1104	A	C	1C	R2909	A	C	1B	R4204	B	C	1A	R6115	B	C	4C	R7825	A	C	3A	R8122	B	C	2C	TL1603	A	C	4B				
R1106	A	C	2C	R2914	A	C	1B	R4205	B	C	1A	R6116	B	C	4C	R7826	A	C	2A	R8123	B	C	2C	TL1604	A	C	4B				
R1107	A	C	2C	R3002	A	C	3B	R4206	B	C	1A	R6117	B	C	4C	R7827	A	C	2A	R8124	B	C	2C	TL1605	A	C	4B				
R1108	A	C	1C	R3004	A	C	3B	R4207	B	C	1A	R6118	B	C	4C	R7834	A	C	3A	R8125	B	C	2C	TL1606	A	C	4B				
R1109	A	C	2C	R3007	A	C	3B	R4208	B	C	1A	R6119	B	C	4C	R7835	A	C	3A	R8126	B	C	2C	TL1607	A	C	4B				
R1401	A	C	3B	R3008	A	C	3B	R4301	B	C	1A	R6120	B	C	4C	R7836	A	C	3A	R8127	B	C	2C	TL1608	A	C	4C				
R1404	A	C	3B	R3009	A	C	3C	R4302	B	C	1B	R6121	B	C	4C	R7837	A	C	3A	R8128	B	C	2C	TL1609	A	C	4C				
R1405	A	C	3B	R3010	A	C	3C	R4303	B	C	1A	R6122	B	C	4C	R7838	A	C	3A	R8129	B	C	2C	TL1610	A	C	4C				
R1408	A	C	4B	R3011	A	C	3C	R4304	B	C	1A	R6123	B	C	4C	R7846	A	C	3A	R8130	B	C	2C	TL1611	A	C	4C				
R1422	A	C	3B	R3013	A	C	3C	R4307	B	C	1A	R6124	B	C	4C	R7847	A	C	3A	R8131	B	C	2C	TL1612	A	C	4C				
R1423	A	C	4B	R3014	A	C	3C	R4308	B	C	1A	R6125	B	C	4C	R7848	A	C	3A	R8132	B	C	2C	TL1613	A	C	4C				
R1424	A	C	4B	R3015	A	C	4C	R4309	B	C	2A	R6126	B	C	4C	R7849	A	C	3A	R8133	B	C	2C	TL1614	A	C	4C				
R1425	A	C	4B	R3016	A	C	4B	R4310	B	C	1A	R6127	B	C	4C	R7850	A	C	3A	R8134	B	C	3C	TL1615	A	C	4C				
R1426	A	C	4B	R3017	A	C	4B	R4311	B	C	1A	R6128	B	C	4C	R7857	A	C	2B	R8135	B	C	2C	TL1616	A	C	4C				
R1433	A	C	4B	R3018	A	C	4B	R4312	B	C	1A	R6129	B	C	4C	R7858	A	C	2B	R8136	B	C	3B	TL1617	A	C	4C				
R1438	A	C	3B	R3019	A	C	4B	R4313	B	C	1A	R6130	B	C	4C	R7859	A	C	2B	R8401	B	C	3B	TL1618	A	C	4C	</			

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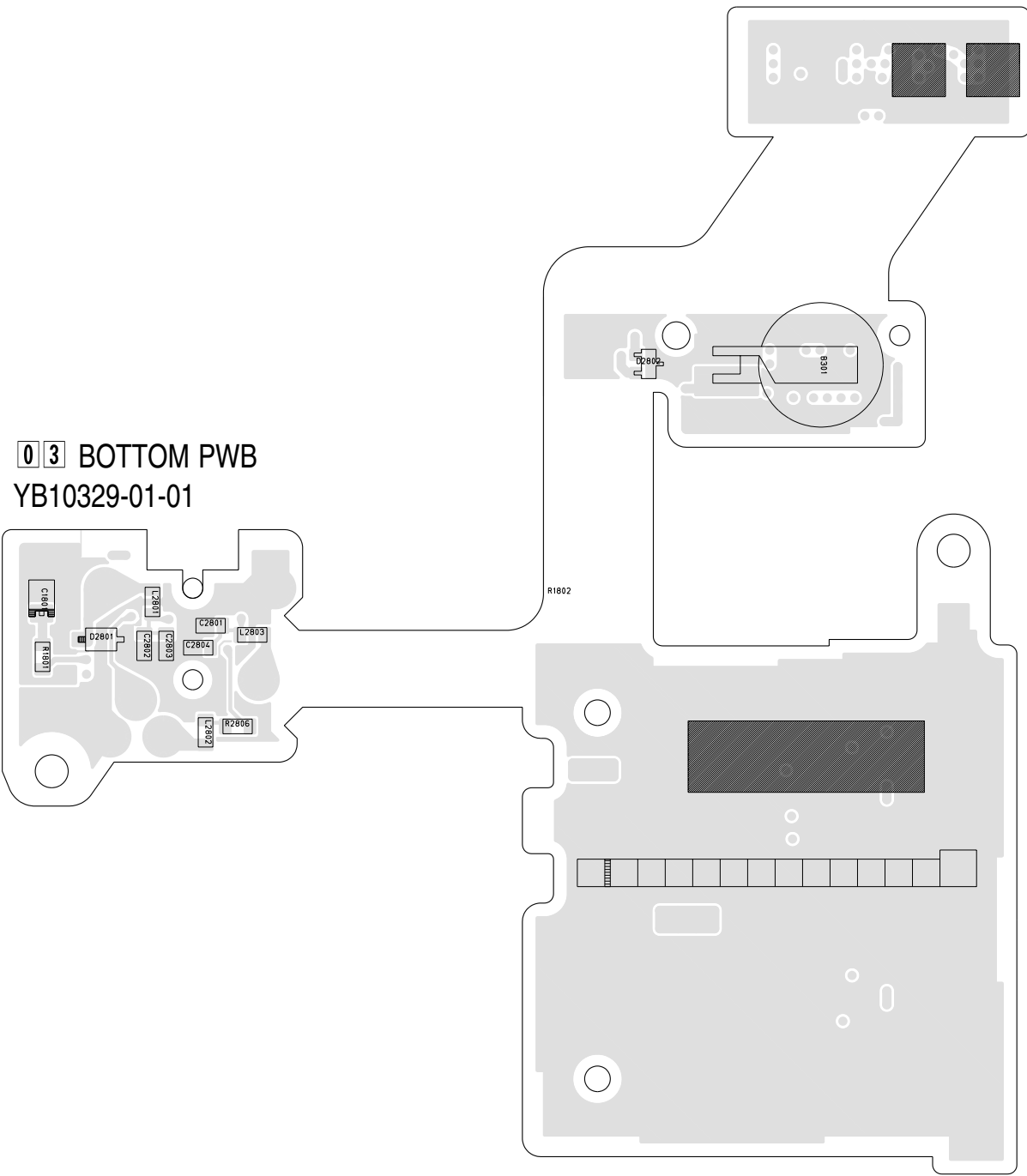
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CAPACITOR				C2901	B	C	2D	Q2602	A	C	3D	R2612	A	C	2E			
C1151	A	C	3C	C2904	B	C	2C	Q2603	A	C	3E	R2613	A	C	2E			
C1152	A	C	3C	C4803	A	C	2C	Q2604	A	C	3D	R2614	A	C	3E			
C2101	A	C	2E	C4804	A	C	2C	Q2901	A	C	2C	R2615	A	C	2E			
C2102	A	C	2E	C4805	B	C	2C	Q2902	B	C	2C	R2616	A	C	3E			
C2103	A	C	2E	C4806	B	C	1C	Q4801	A	C	2C	R2617	B	C	3E			
C2104	A	C	2E	C4808	A	C	1C	Q4802	B	C	1C	R2618	B	C	3D			
C2105	A	C	2E	C4809	B	C	1C	Q4803	A	C	2C	R2619	B	C	3E			
C2106	A	C	2E	C4810	A	C	2C	Q4804	A	C	2C	R2620	B	C	3D			
C2107	A	C	2D	C4811	B	C	2C	Q4805	B	C	1C	R2621	B	C	3E			
C2108	A	C	2D	C4812	B	C	2C	Q4806	A	C	2C	R2622	B	C	3D			
C2109	A	C	2E	C4813	B	C	2C	Q4851	B	C	2C	R2623	B	C	2E			
C2110	A	C	2E	C4814	B	C	1C	RESISTOR							R2624	B	C	3D
C2111	A	C	2E	C4815	B	C	1C	R1151	A	B	C	3C	R2625	A	C	3D		
C2151	A	C	2D	C4819	B	C	1C	R2001	B	A	C	3C	R2626	A	C	3D		
C2152	A	C	2D	C4821	B	C	1C	R2101	A	B	C	2D	R2627	A	C	3D		
C2153	A	C	2D	C4851	B	C	2C	R2102	A	B	C	2D	R2628	A	C	3D		
C2154	A	C	2D	C4852	B	C	2C	R2103	A	B	C	2E	R2902	B	C	2C		
C2155	A	C	2D	C4853	A	C	3C	R2104	A	A	C	2E	R2903	B	C	2C		
C2156	A	C	2D	C4854	A	C	3C	R2105	A	A	C	2E	R2904	B	C	2C		
C2157	A	C	2D	C4855	A	C	3C	R2106	A	A	C	2E	R2905	B	C	2C		
C2159	A	C	2D	C4858	A	C	3C	R2107	A	A	C	2D	R2906	B	C	2C		
C2160	A	C	2D	C4859	A	C	3C	R2151	A	A	C	2D	R2907	B	C	2C		
C2161	A	C	2D	C4860	A	C	2C	R2152	A	A	C	2D	R2908	B	C	2C		
C2162	B	C	2D	C4861	A	C	2C	R2153	A	A	C	2D	R2919	B	C	2C		
C2163	B	C	2D	C4862	A	C	2C	R2154	A	A	C	2D	R2920	B	C	2C		
C2164	B	C	2D	C4864	A	C	3C	R2156	A	A	C	2D	R4804	B	C	1C		
C2201	A	C	2E	C4865	A	C	3C	R2157	A	A	C	2D	R4805	B	C	1C		
C2202	B	C	2D	CONNECTOR				R2158	B	A	C	2D	R4806	B	C	1C		
C2205	B	C	2E	CN201	B	C	1A	R2159	B	B	C	2D	R4807	B	C	1C		
C2206	B	C	2D	CN202	B	C	2D	R2160	B	B	C	2D	R4808	A	C	2C		
C2207	B	C	2E	CN203	A	C	3D	R2161	B	B	C	2D	R4809	A	C	2C		
C2208	B	C	2E	CN204	A	C	1C	R2162	B	B	C	2D	R4810	A	C	2C		
C2210	A	C	2E	CN205	A	C	2C	R2201	B	B	C	2E	R4811	B	C	2C		
C2211	A	C	2E	DIODE				R2202	B	B	C	2D	R4812	B	C	2C		
C2212	B	C	2E	D2001		B	C	3C	R2205	A	A	C	2E	R4813	B	C	2C	
C2213	A	C	3D	D2901	A	A	C	2D	R2206									

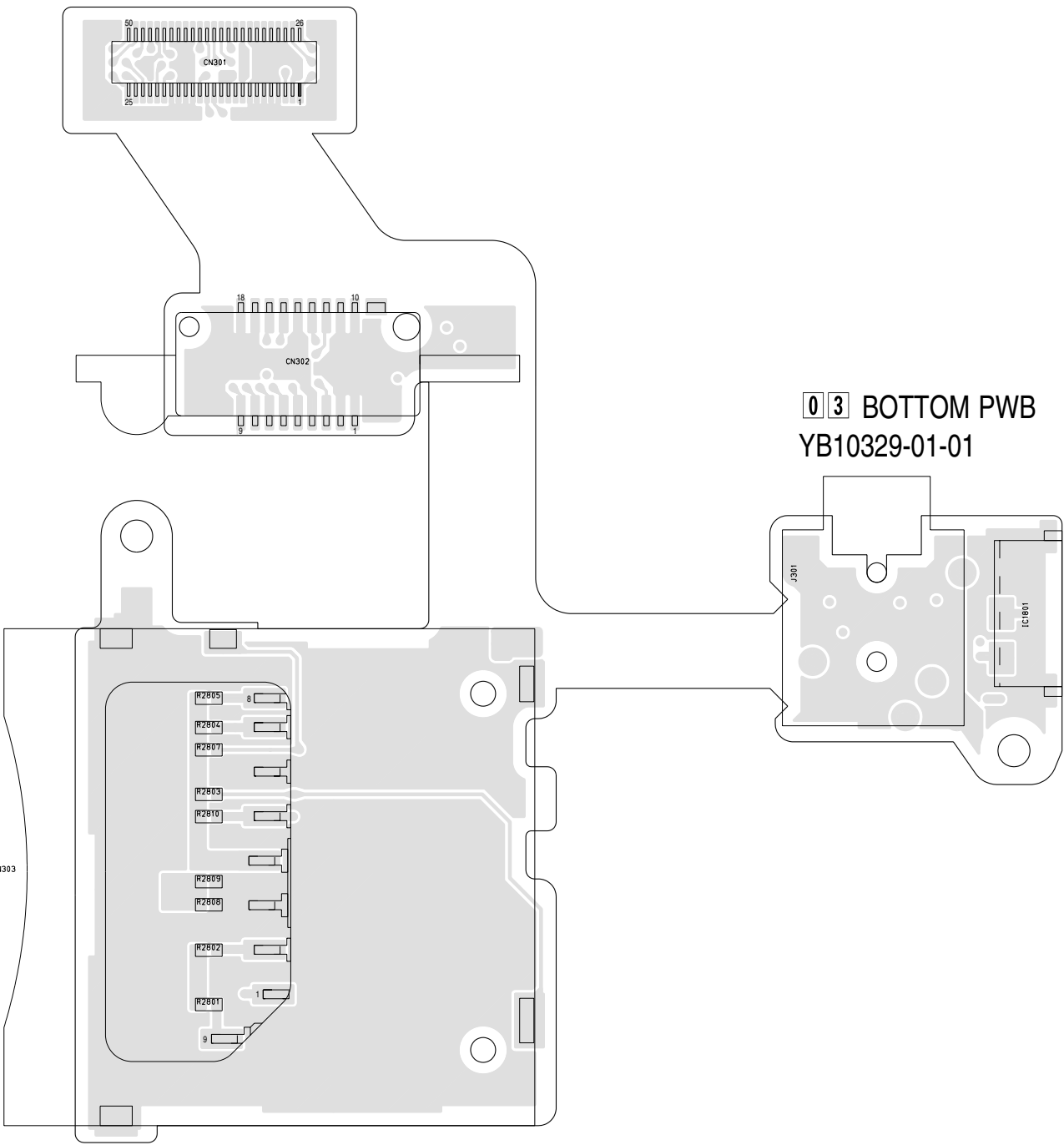
4.28 BOTTOM CIRCUIT BOARD

FOIL SIDE(B)



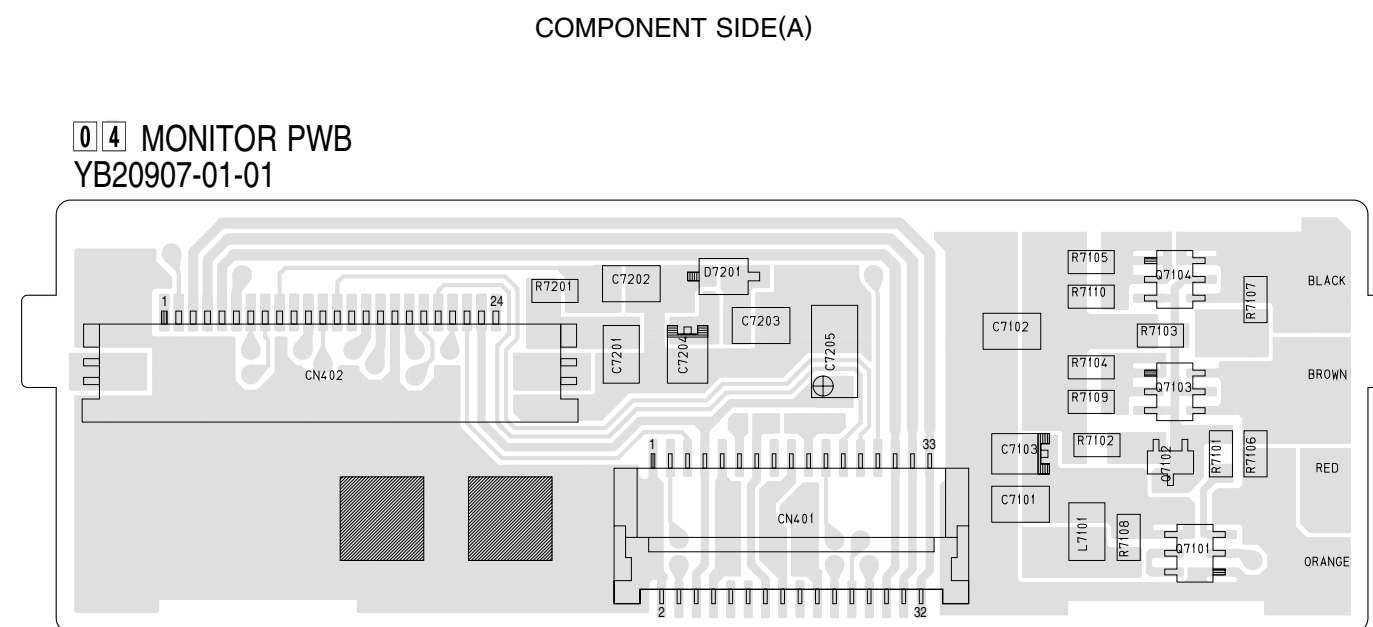
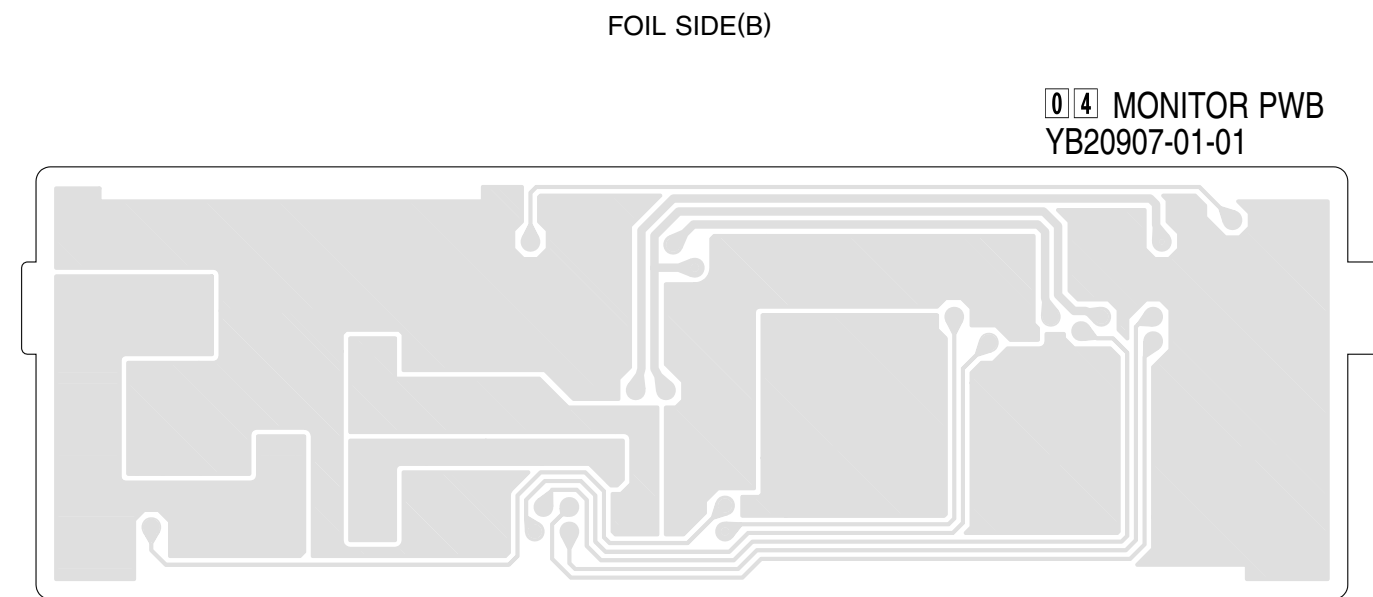
03 BOTTOM PWB
YB10329-01-01

COMPONENT SIDE(A)



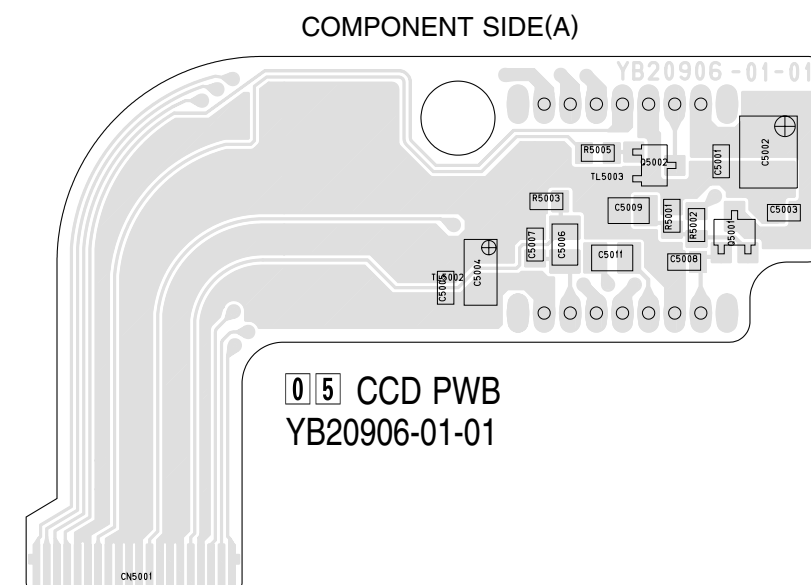
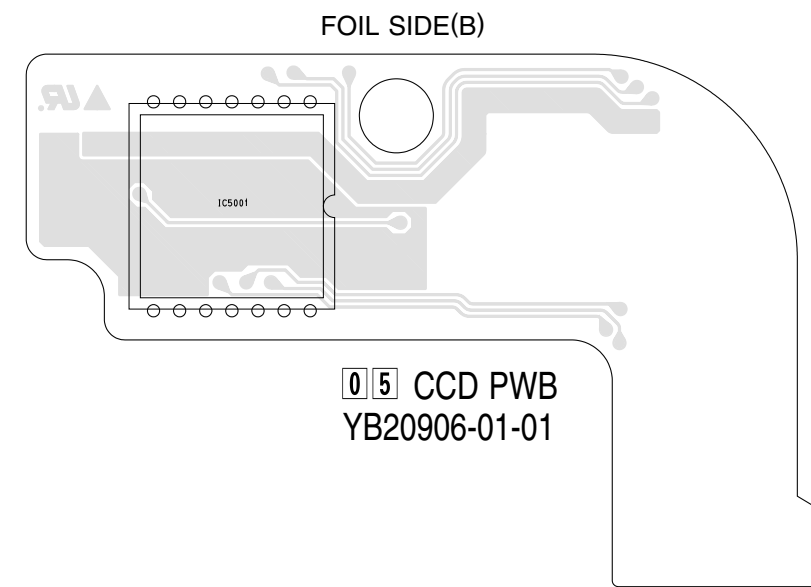
03 BOTTOM PWB
YB10329-01-01

4.29 MONITOR CIRCUIT BOARD

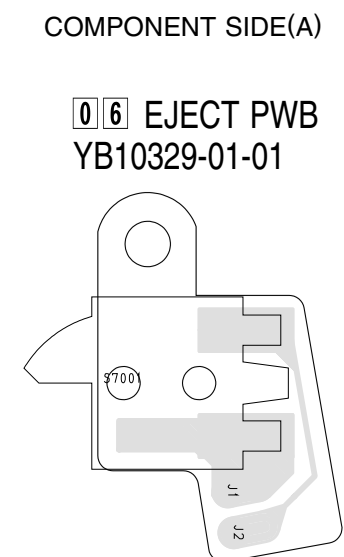
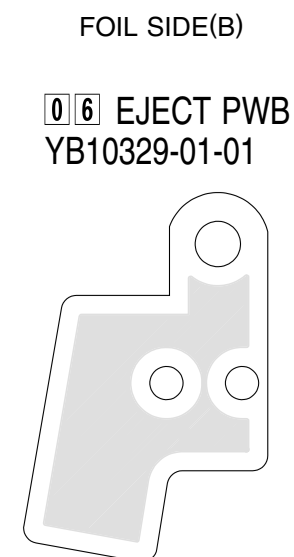


4.30 CCD AND EJECT CIRCUIT BOARDS

—CCD—



—EJECT—



4.31 VOLTAGE CHARTS

<REG CON>

MODE PIN NO.	REC	PLAY
IC6001		
1	6.8	6.8
2	6.5	6.6
3	0	0
4	0	0
IC6002		
1	0	0
2	6.8	6.8
3	0	3.3
4	0	0
IC6003		
1	6.8	6.8
2	0	0
3	6.8	6.8
4	0	0
5	3.0	3.0
IC6004		
1	3.0	3.0
2	3.0	3.0
3	0	0
4	0	0
Q2701		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q2702		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q6001		
1(D)	0	6.8
2(D)	0	6.8
3(G)	0	0
4(S)	6.8	6.8
5(D)	6.8	6.8
6(D)	6.8	6.8
Q6002		
D	0	0
S	0	0
G	6.8	6.8
Q6003		
D	0	0
S	0	0
G	3.1	3.1
Q6004		
D	6.5	6.5
S	0	0
G	0	0
Q6005		
E	0	0
C	0	0
B	3.0	3.0

<REG>

MODE PIN NO.	REC	PLAY
IC6101		
1	2.2	2.2
2	1.2	1.2
3	2.2	2.2
4	0	0
5	6.8	6.8
6	1.0	1.0
7	1.3	1.3
8	2.2	2.2
9	0	0
10	0	0
11	0.8	0.8
12	1.0	1.0
13	1.0	1.0
14	0.7	0.7
15	0	0
16	0	0
17	0.6	0.6
18	1.0	1.0
19	1.1	1.1
20	1.0	1.0
21	1.0	1.0
22	0.9	0.9
23	1.0	1.0
24	1.0	1.0
25	1.0	1.0
26	0.9	0.9
27	0	0
28	1.0	1.0
29	0	0
30	2.4	2.4
31	0.7	0.7
32	0.7	0.7
33	6.8	6.8
34	6.8	6.8
35	3.0	3.0
36	3.0	3.0
37	0	0
38	4.4	4.4
39	0	0
40	0	0
41	0	0
42	0	0
43	0	0
44	0	0
45	0	0
46	0	0
47	0	0
48	2.2	2.2
Q6101		
1	3.6	3.4
2	6.8	6.8
3	4.8	4.8
4	1.8	1.8
5	0	0
6	3.0	3.0
Q6102		
1	4.4	4.4
2	6.8	6.8
3	5.8	5.8
4	0.9	0.9
5	6.8	6.8
6	2.6	2.6

MODE PIN NO.	REC	PLAY
Q6103		
1	1.9	1.9
2	6.8	6.8
3	2.7	2.0
4	0	1.2
5	6.8	6.8
6	4.8	4.8
Q6104		
E	-15.5	-16.2
C	-6.6	-7.0
B	-15.0	-15.8
Q6105		
1(E)	-5.0	-5.0
2(B)	-4.8	-4.8
3(C)	-15.0	-15.0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q6106		
1(E)	4.3	4.3
2(B)	4.9	4.9
3(C)	15.2	15.2
4(E)	4.3	4.3
5(B)	4.8	4.8
6(C)	15.8	15.8
Q6107		
E	15.8	15.8
C	12.2	12.2
B	15.2	15.2

<AUDIO AD/DA>

MODE PIN NO.	REC	PLAY
IC2101		
1	1.3	0
2	0	0
3	1.4	0
4	0	0
5	3.0	3.0
6	3.0	3.1
7	0	0
8	0	0
9	1.4	1.3
10	1.5	1.5
11	1.4	1.4
12	0	1.5
13	3.0	0
14	0	3.1
15	2.0	1.4
16	1.9	1.3
IC2151		
1	0	0
2	0	0
3	1.2	-
4	0	0
5	3.0	3.0
6	0	3.0
7	0	0

MODE PIN NO.	REC	PLAY
8	0	0
9	0	0
10	1.5	1.5
11	1.6	1.6
12	1.5	1.5
13	0	0
14	0	0
15	0	0
16	0	0
Q2151		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0

<MAIN AUDIO>

MODE PIN NO.	REC	PLAY
IC2201		
1	1.4	0
2	1.4	0
3	1.4	0.5
4	1.4	0
5	1.4	0
6	1.4	1.6
7	0	0
8	2.1	2.3
9	2.1	2.3
10	0	0
11	1.4	1.6
12	1.4	1.0
13	1.4	1.6
14	1.4	0.5
15	1.4	0
16	0	0.5
17	1.4	1.6
18	1.4	1.6
19	1.4	1.0
20	1.4	0.8
21	1.4	0
22	2.6	2.9
23	1.4	0
24	1.4	0
25	2.5	2.1
26	1.0	0.5
27	2.2	0
28	2.2	2.2
29	2.4	2.2
30	2.2	2.2
31	2.2	2.2
32	2.2	2.2
33	4.8	4.8
34	4.7	4.7
35	0	0
36	2.4	2.4

MODE PIN NO.	REC	PLAY
37	4.7	4.7
38	2.2	2.2
39	1.8	1.8
40	0	0
41	3.1	3.1
42	0	0
43	0	2.2
44	0	3.0
45	1.4	1.6
46	0	0
47	2.4	0
48	2.2	2.6
49	1.4	0
50	1.4	1.6
51	1.4	1.6
52	1.6	0
53	1.6	0
54	0	3.1
55	0	0
56	2.4	0
57	1.4	0
58	1.4	0.5
59	2.6	2.9
60	0	0.5
61	1.4	0.7
62	1.4	0.8
63	1.4	1.6
64	1.4	1.6
IC2301		
1	2.3	2.3
2	2.3	2.3
3	2.3	2.3
4	0	0
5	2.3	2.3
6	2.3	2.3
7	2.3	2.3
8	4.6	4.6
Q2302		
E	1.3	1.3
C	4.6	4.6
B	1.9	1.9
Q2401		
E	2.6	3.0
C	4.8	4.8
B	3.3	3.6
Q2402		
E	4.8	0
C	4.8	4.8
B	4.1	4.1
Q2403		
E	0	0
C	0	0
B	3.1	3.0
Q2601		
E	0.8	1.0
C	2.6	3.0
B	1.4	1.4
Q2602		
E	0.8	0.9
C	2.6	3.0
B	1.4	1.6
Q2603	-	-
Q2604	-	-

MODE PIN NO.	REC	PLAY
Q2901		
E	6.7	6.7
C	0	0
B	6.7	6.7
Q2902		
E	0	0
C	6.7	6.7
B	0	0

<OPDRV>

MODE PIN NO.	REC	PLAY
IC4802		
1	2.5	2.5
2	2.2	2.2
3	0	2.2
4	0	0
5	2.1	2.1
6	2.2	2.2
7	0	2.2
8	4.8	4.8
IC4803		
1	1.0	1.0
2	0	0
3	0	0
4	0	0
5	2.1	2.2
6	2.1	2.2
7	0.6	3.3
8	4.8	4.8
IC4804		
1	0.7	0.7
2	2.3	2.3
3	2.3	2.3
4	0	0
5	2.2	2.2
6	1.7	1.7
7	4.0	4.0
8	4.8	4.8
IC4805	-	-
IC4806		
1	0.4	3.0
2	3.0	3.0
3	0	0
4	0	3.0
5	3.0	3.0
IC4851		
1	0	0
2	0.5	0
3	0	0.4
4	0.4	0
5	0	0.4
6	0	0
7	0	0
8	3.0	3.0
9	4.8	4.8
10	1.0	0
11	0	0

MODE PIN NO.	REC	PLAY
12	1.0	0
13	4.8	4.8
14	1.2	0
15	0	0
16	1.1	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	4.8	4.8
24	0	0
25	0	0
26	0	0
27	4.8	4.8
28	0	0
29	0	0
30	0	0
31	3	3
32	0	0
33	0	0
34	0	1.8
35	3.1	3.1
36	1.5	1.5
37	1.5	1.4
38	3.0	3.1
Q4801		
E	0	0
C	0	1.8
B	1.0	1.0
Q4802	-	-
Q4803		
E	0	0
C	4.8	4.8
B	0	0
Q4804		
E	0	4.8
C	1.6	3.0
B	4.8	4.8
Q4805		
E	0	0
C	4.0	4.0
B	0	0
Q4806	-	-
Q4851		
E	0	0
C	3.9	3.7
B	0	0

<MONITOR>

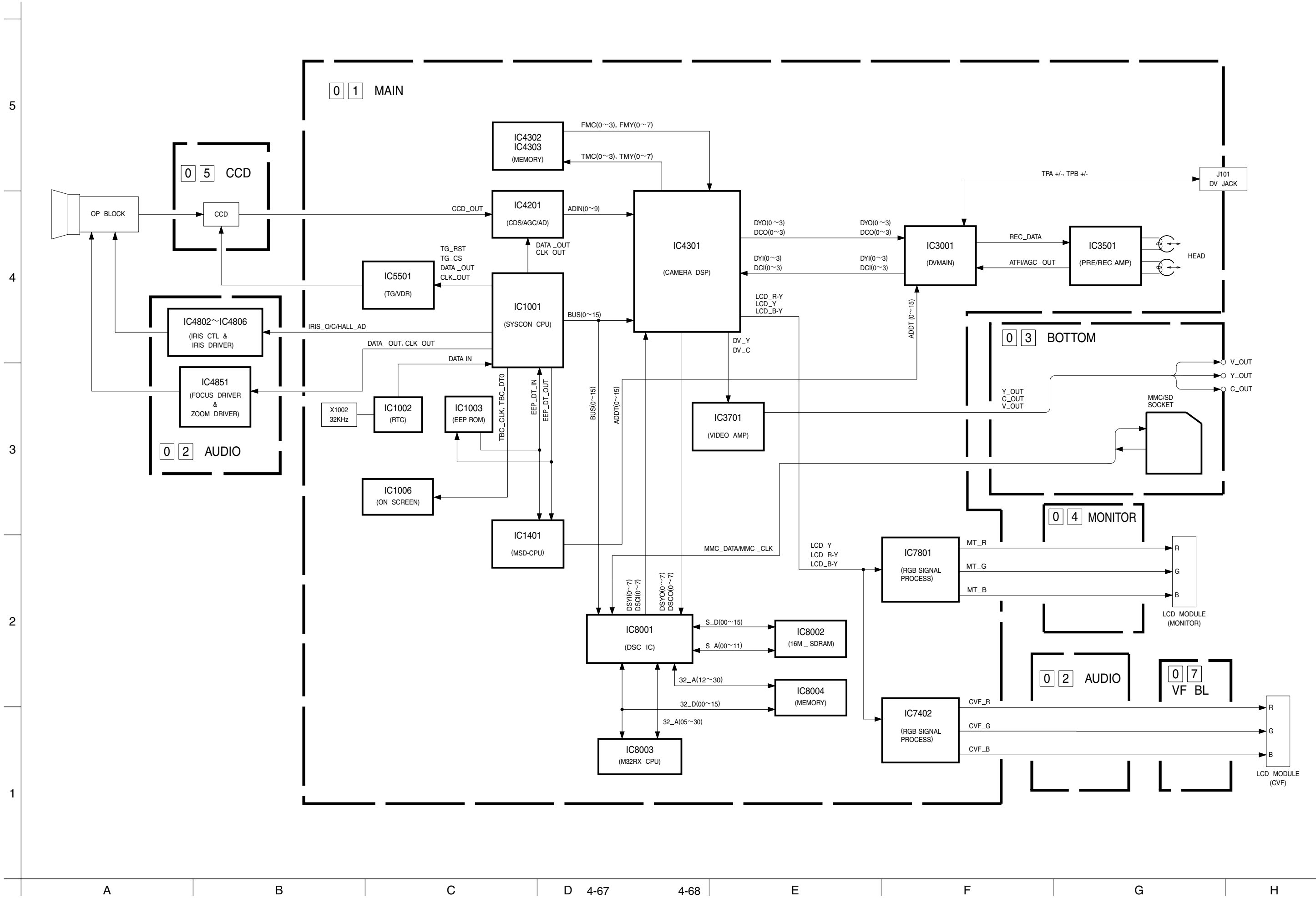
MODE PIN NO.	EE
Q7101	
1(E)	0
2(B)	3.0
3(C)	3.0
4(E)	3.0
5(B)	0
6(C)	0
Q7102	
E	-15.0
C	0
B	-14.4
Q7103	
1(E)	-15.0
2(B)	-15.0
3(C)	-14.4
4(E)	-9.9
5(B)	-14.5
6(C)	-9.9
Q7104	
1(E)	-15.0
2(B)	-15.0
3(C)	-14.4
4(E)	0
5(B)	-14.4
6(C)	-10.5

<CCD>

MODE PIN NO.	EE
Q5001	
E	8.4
C	12.1
B	9.1
Q5002	
E	0
C	6.6
B	0

[illegible]

4.33 VIDEO SYSTEM BLOCK DIAGRAM



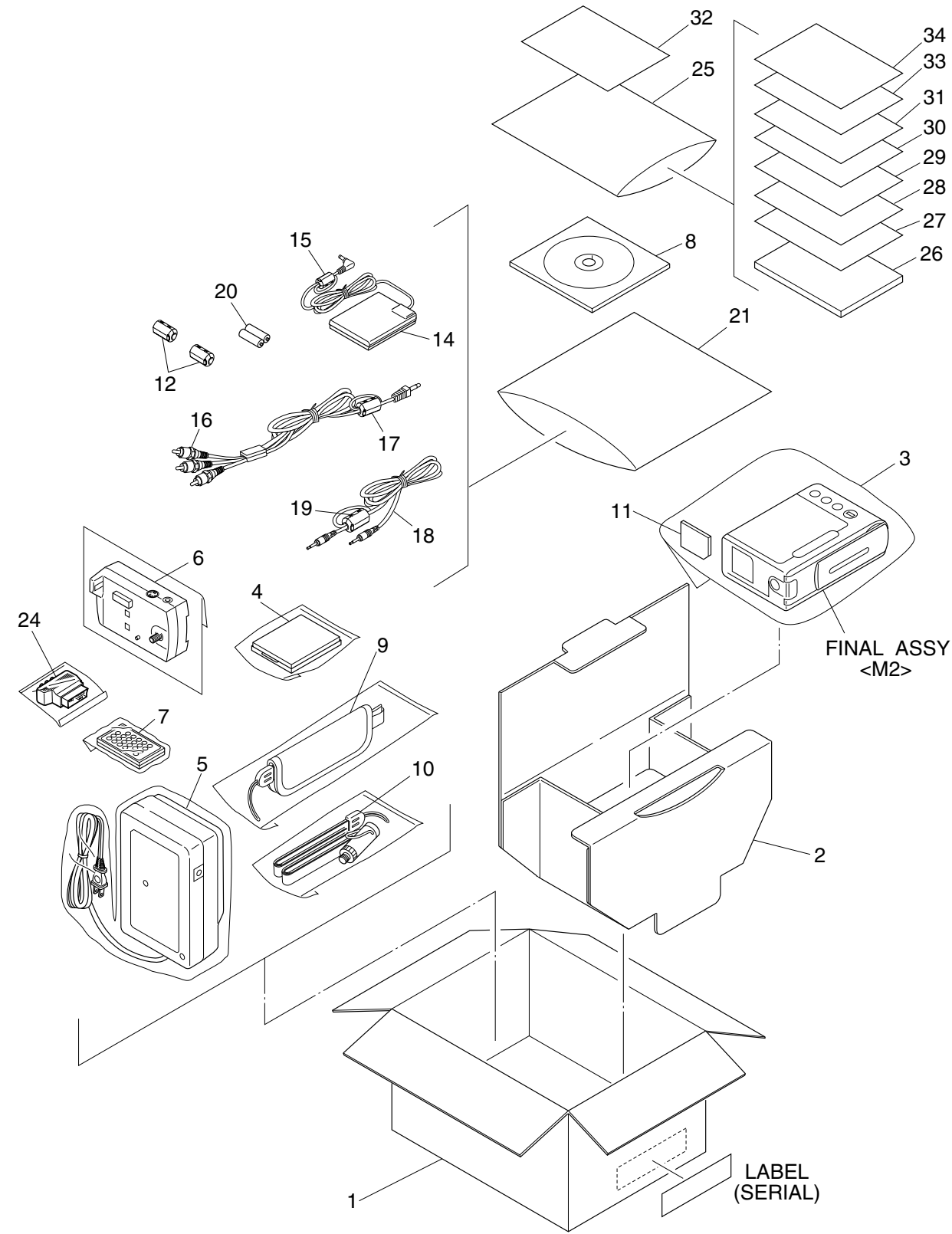
SECTION 5
PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.



#	⚠ REF No.	PART No.	PART NAME, DESCRIPTION

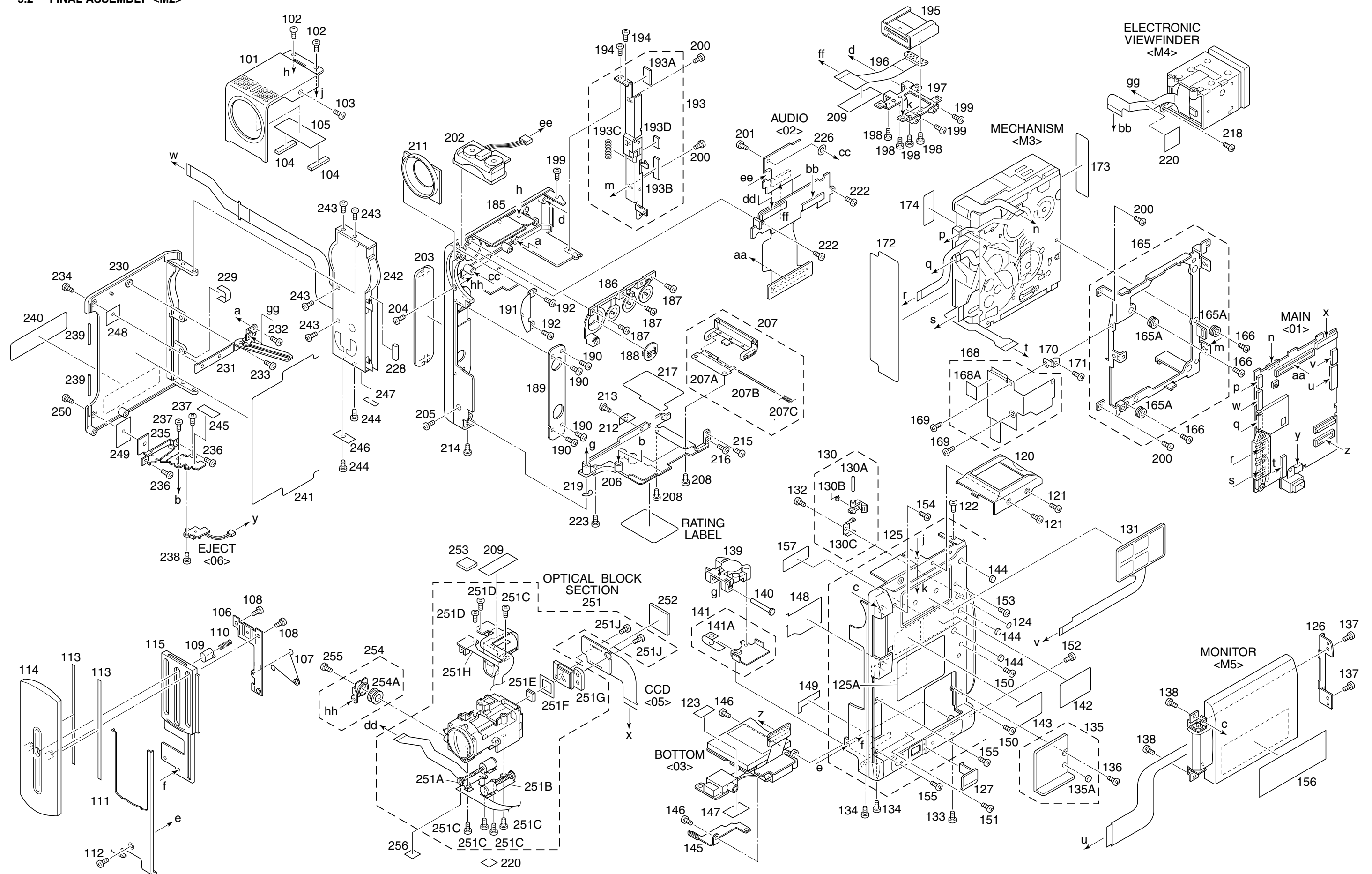
PACKING AND ACCESSORY ASSEMBLY <M1>

1	LY32303-001A	PACKING CASE,C
	LY32303-002A	PACKING CASE,A
	LY32303-003A	PACKING CASE,D
	LY32303-004A	PACKING CASE,B
2	LY20763-001A	CUSHION
3	LY30023-003A	POLY BAG
⚠ 4	LY32203-001A	BATTERY PACK,BN-V107U,C,D
⚠ 4	LY32203-003A	BATTERY PACK,BN-V107U,A,B
⚠ 5	LY20754-002B	AC POWER ADAPTER/CHARGER,AA-V100EG,A,C
⚠ 5	LY20754-004B	AC POWER ADAPTER/CHARGER,AA-V100EK,B,D
6	LY20755-003A	DOCKING STATION,CU-V507U
7	LY20750-001A	REMOTE CONTROL UNIT,RM-V717U
8	LY32210-004A	CD ROM
9	LY20762-001B	GRIP BELT
10	LY20765-001B	STRAP
11	QAM0342-002	MEMORY CARD
12	QQR0491-002	CORE FILTER,X2
14	LY32226-001A	DC CORD,C,D
	LY32226-002A	DC CORD,A,B
15	QQR0917-002	CORE FILTER
16	QAM0347-001	CABLE ASSY,AUDIO/VIDEO CABLE
17	QQR0918-002	CORE FILTER
18	PEAC0428-150	CABLE ASSY,EDITING CABLE
19	QQR0491-002	CORE FILTER
20	-	BATTERY,AAA(R03),X2
21	QPA01703005	POLY BAG
24	QAM0302-001	ADAPTOR PLUG,CABLE ADAPTER
25	QPA02003506	POLY BAG,A,C
	YQM30061-3	POLY BAG,B,D
⚠ 26	LYT0796-001A	INST.BOOK(EN),B,D
⚠	LYT0796-002A	INST.BOOK(GE),A,C
⚠	LYT0796-003A	INST.BOOK(FR),A,C
⚠	LYT0796-004A	INST.BOOK(DU),A,C
⚠	LYT0796-005A	INST.BOOK(SP),A,C
⚠	LYT0796-006A	INST.BOOK(IT),A,C
⚠	LYT0796-007A	INST.BOOK(DA),A,C
⚠	LYT0796-008A	INST.BOOK(FI),A,C
⚠	LYT0796-009A	INST.BOOK(SW),A,C
⚠	LYT0796-010A	INST.BOOK(NO),A,C
⚠	LYT0796-011A	INST.BOOK(RU),A,C
⚠	LYT0796-012A	INST.BOOK(CZ),A,C
⚠	LYT0796-013A	INST.BOOK(PO),A,C
⚠	LYT0796-014A	INST.BOOK(HU),A,C
⚠ 27	LYT0760-001A	INST.BOOK(SOFT.5LANG),A
	LYT0760-001B	INST.BOOK(SOFT.5LANG),C
⚠	LYT0760-002B	INST.BOOK(SOFT.5LANG),A,C
⚠	LYT0760-003B	INST.BOOK(SOFT.RU),A,C
⚠	LYT0761-001A	INST.BOOK(SOFT.EN),B,D
28	LYT0378-003A	SHEET(AGREEMENT)
29	LYT0760-004A	SHEET(ATT.)
30	LYT0796-015A	SHEET(CORE)
31	LYT0796-016A	SHEET(ATT.MIC)
32	BT-54008-2	GUARANTY CARD,B,D
	BT-54013-2	WARRANTY CARD,A,C
33	LYT0194-001B	Q.CARD(JUK),B,D
34	LYT0760-005A	SHEET(CORRECT.),A,B

• INSTRUCTIONS

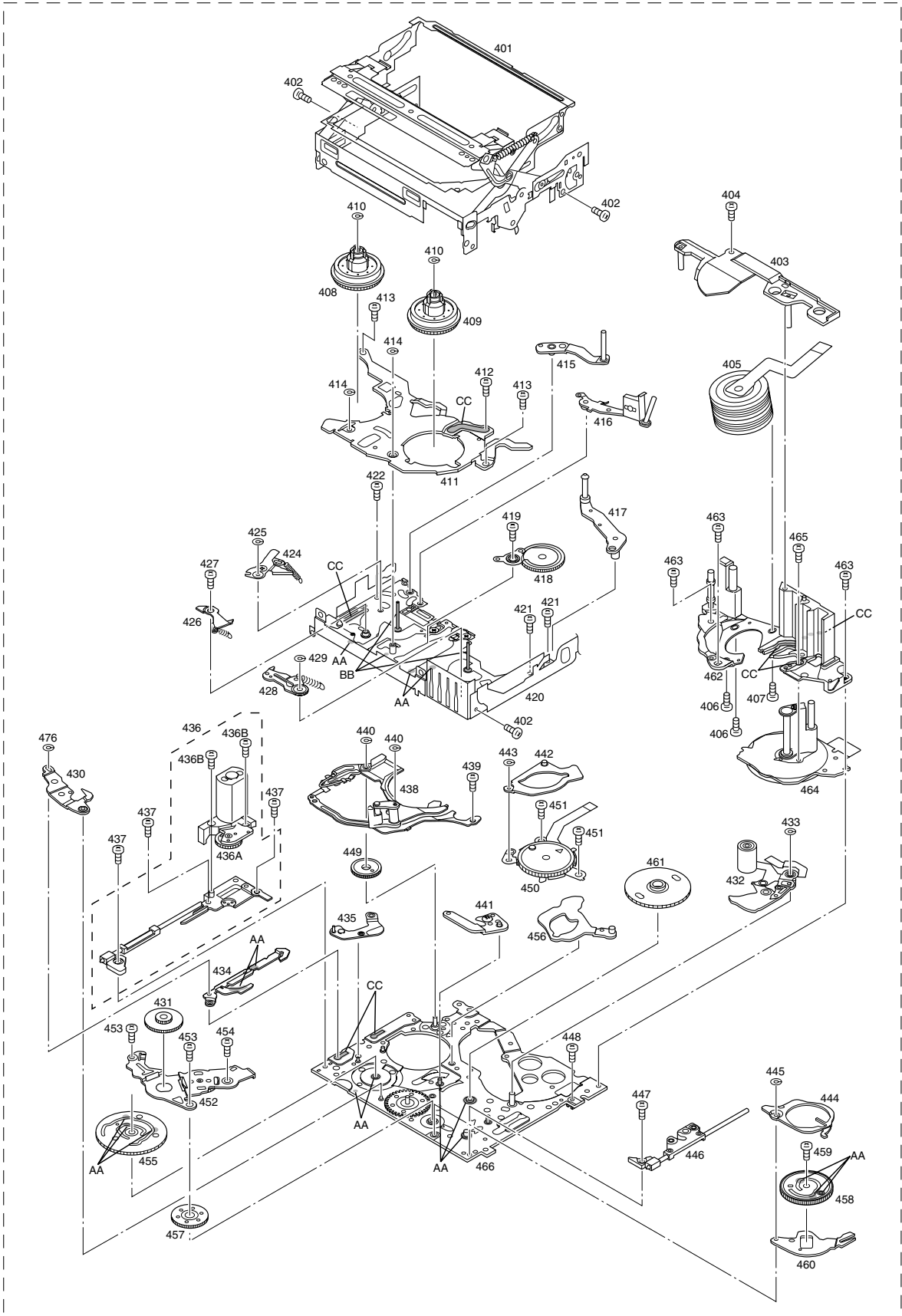
EN		ENGLISH
GE		GERMAN
FR		FRENCH
DU		DUTCH
SP		SPANISH
IT		ITALIAN
DA		DANISH
FI		FINNISH
SW		SWEDISH
NO		NORWEGIAN
RU		RUSSIAN
CZ		CZECH
PO		POLISH
HU		HUNGARIAN

MODEL	MARK
GR-DVP1EG	A
GR-DVP1EK	B
GR-DVP3EG	C
GR-DVP3EK	D



#	△	REF No.	PART No.	PART NAME, DESCRIPTION	#	△	REF No.	PART No.	PART NAME, DESCRIPTION

FINAL ASSEMBLY <M2>									
101			LY20759-001A	COVER(MIC)	188			LY43056-001B	KNOB(FUNC.)
102			LY30018-0A3A	SPECIAL SCREW,X2	189			LY43114-001A	PLATE(C.C.HINGE)
103			LY30018-0A2A	SPECIAL SCREW	190			LY30018-081A	SPECIAL SCREW,X4
104			LY30029-0L7A	SPACER(A),X2	191			LY43125-001A	WINDOW(W/B)ASSY
105			LY43164-001A	SHEET(MIC)	192			LY30018-065A	SPECIAL SCREW,X2
106			LY43106-001B	SLIDE PLATE(B)ASSY	193			LY32280-001C	BATTERY LOCK ASSY
107			LY43225-001A	TORSION SPRING	193A			LY30029-0K9A	SPACER(A)
108			LY30018-0D2A	SPECIAL SCREW,X2	193B			LY30029-0N1A	SPACER(A)
109			LY32260-001D	KNOB(SHUTTER)	193C			LY30002-038A	COMPRESSION SPRING
110			LY30002-022A	COMPRESSION SPRING	193D			LY30029-0M9A	SPACER(A)
111			LY32228-001B	COVER(UNDER)	194			LY30018-031A	SPECIAL SCREW,X2
112			LY30018-0A2A	SPECIAL SCREW	195			LY31998-002A	HOT SHOE
113			LY30029-0P1A	SPACER(A),X2,A	196			QAL0336-001	FPC,AUDIO CN202-HOT SHOE
114			LY43102-003A	COVER(SHUT)ASSY,A	197			LY32262-001A	BRACKET(H.S)
			LY43102-003B	COVER(SHUT)ASSY,B,C,D	198			LY30018-081A	SPECIAL SCREW,X4
115			LY43104-001D	GUIDE(SHUT)ASSY	199			LY30018-081A	SPECIAL SCREW,X3
120			LY32246-001A	COVER(SHOE)	200			LY30018-055A	SPECIAL SCREW,X4
121			LY30018-0A2A	SPECIAL SCREW,X2	201			LY30018-065A	SPECIAL SCREW
122			LY30018-055A	SPECIAL SCREW,C,D	202			LY32197-001C	MICROPHONE
			LY30018-070A	SPECIAL SCREW,A,B	203			LY32247-001A	COVER(M.ADJ)
123			LY30029-0N5A	SPACER(A)	204			LY30018-065A	SPECIAL SCREW
124			LY43196-001A	SHEET(UPEER)	205			LY30018-055A	SPECIAL SCREW,C,D
125			LY32292-001E	UPPER CASE ASSY,C,D				LY30018-070A	SPECIAL SCREW,A,B
			LY32292-003C	UPPER CASE ASSY,A,B	206			LY20760-001F	BOTTOM COVER,C,D
125A			LY43210-002A	LABEL(UPPER)				LY20760-003B	BOTTOM COVER,A
126			LY32265-001C	GUIDE(MONI),C,D				LY20760-003C	BOTTOM COVER,B
			LY32265-002B	GUIDE(MONI),A	207			LY32279-003A	COVER(SD)ASSY,C,D
			LY32265-002C	GUIDE(MONI),B				LY32279-002B	COVER(SD)ASSY,A,B
127			LY43126-001D	JACK COVER(DV)ASSY,C,D	207A			LY32242-002A	BRACKET(SD)
			LY43126-002B	JACK COVER(DV)ASSY,A	207B			LY43111-001A	SHAFT(SD,COVER)
			LY43126-002C	JACK COVER(DV)ASSY,B	207C			LY43047-001B	TORSION SPRING
130			LY43064-001B	KNOB(LOCK) ASSY	208			LY30018-043B	SPECIAL SCREW,X2,A,B
130A			LY43081-001A	SHAFT(LOCK)				LY30018-081A	SPECIAL SCREW,X2,C,D
130B			LY43080-001A	TORSION SPRING(LOCK)	209			LY30029-0K5A	SPACER(A),X2
130C			LY43079-001A	BRACKET(LOCK)	211			LY32255-001B	HOOD,A,B
131			LY32198-001B	SUB OPE,C,D				LY32255-001C	HOOD,C,D
			LY32198-003B	SUB OPE,A,B	212			LY43169-001B	HOLDER(SD CON)
132			LY30018-081A	SPECIAL SCREW	213			LY30018-0E2A	SPECIAL SCREW,A,B
133			LY30018-0B7A	SPECIAL SCREW,A,B				LY30018-0E1A	SPECIAL SCREW,C,D
			LY30018-063A	SPECIAL SCREW,C,D	214			LY30018-0A2A	SPECIAL SCREW,A,B
134			LY30018-093A	SPECIAL SCREW,X2,A,B				LY30018-065A	SPECIAL SCREW,C,D
			LY30018-092A	SPECIAL SCREW,X2,C,D	215			LY30018-081A	SPECIAL SCREW
135			LY43134-001C	COVER(JIG)ASSY,C,D	216			QYSPSPT1725D	SCREW
			LY43134-002B	COVER(JIG)ASSY,A	217			LY43084-001A	SHEET(B,COVER)
			LY43134-002C	COVER(JIG)ASSY,B	218			LY30018-065A	SPECIAL SCREW
135A			LY42350-001A	FOOT,A	219			LY43216-001A	SPACER(LOW-BOTT)
			LY42350-002A	FOOT,B,C,D	220			LY30029-0L3A	SPACER(A),X2
136			LY30018-055A	SPECIAL SCREW,C,D	221			LY30018-081A	SPECIAL SCREW,X2
			LY30018-070A	SPECIAL SCREW,A,B	222			LY30018-0A3A	SPECIAL SCREW,C,D
137			LY30018-031A	SPECIAL SCREW,X2,C,D	223			LY30018-060A	SPECIAL SCREW,A,B
			LY30018-032A	SPECIAL SCREW,X2,A,B	226			LY30017-029A	SPACER-B,B,C,D
138			LY30018-099A	SPECIAL SCREW,X2	228			LY30029-0Q2A	SPACER(A)
139			LY32253-001B	BASE	229			LY30029-0Q5A	SPACER(A),A
140			LY43107-001A	SHAFT	230			LY20757-002A	CASSETTE COVER,A,B
141			LY43224-001A	SPACER(B)ASSY				LY20757-001B	CASSETTE COVER,C,D
141A			LY43221-001A	S.SHEET(S.BASE)	231			LY32244-001B	ARM ASSY(1)
142			LY41701-002A	SHEET(CAUTION)1,A,B	232			LY30018-031A	SPECIAL SCREW
			LY41701-004A	SHEET(CAUTION)1,C,D	233			LY30018-081A	SPECIAL SCREW
143			LY42163-002B	SHEET(CAUTION)2,C,D	234			LY30018-006B	SPECIAL SCREW,A,B
			LY42163-003A	SHEET(CAUTION)2,A,B				LY30018-0E3A	SPECIAL SCREW,C,D
144			LY42350-002A	FOOT,X3	235			LY32245-001B	ARM ASSY(2)
145			LY32254-001A	BRACKET(BOTTOM)	236			LY30018-081A	SPECIAL SCREW,X2
146			LY30018-0E4A	SPECIAL SCREW,X2	237			LY30018-081A	SPECIAL SCREW,X2
147			LY30029-0K6A	SPACER(A)	238			LY30018-081A	SPECIAL SCREW
148			LY43176-001A	SHEET(UPPER)1	239			LY43113-001A	SHAFT(C,COVER),X2
149			LY43177-001A	SHEET(UPPER)2	240	△		LY41442-003A	CAUTION LABEL,C,D
150			LY30018-055A	SPECIAL SCREW,X2,C,D		△		YQ32492-5	LABEL(CAUTION),A,B
			LY30018-070A	SPECIAL SCREW,X2,A,B	241			LY43055-001A	SHEET(C,COVER),A,B
151			LY30018-055A	SPECIAL SCREW,C,D				LY43055-001B	SHEET(C,COVER),C,D
			LY30018-070A	SPECIAL SCREW,A,B	242			LY20749-001B	OPE,COVER UNIT,A,B
152			LY30018-0A2A	SPECIAL SCREW,A,B				LY20749-001C	OPE,COVER UNIT,C,D
			LY30018-065A	SPECIAL SCREW,C,D	243			LY30018-0A2A	SPECIAL SCREW,X4,A,B
153			LY30018-055A	SPECIAL SCREW,C,D				LY30018-065A	SPECIAL SCREW,X4,C,D
			LY30018-070A	SPECIAL SCREW,A,B	244			LY30018-081A	SPECIAL SCREW,X2,C,D
154			LY30018-019A	SPECIAL SCREW,C,D				LY30018-070A	SPECIAL SCREW,X2,A,B
			LY30018-026A	SPECIAL SCREW,A,B	245			LY30029-0L5C	SPACER(A)
155			LY30018-0D5A	SPECIAL SCREW,X2,C,D	246			LY43198-001B	SHEET(OPE-SD)
			LY30018-0D8A	SPECIAL SCREW,X2,A,B	247			LY30029-0N8A	SPACER(A)
156			LY43127-001B	STICKER(MONI.),C,D	248			LY43200-001A	SHEET(ARM1)
			LY43127-002B	STICKER(MONI.),A,B	249			LY43201-001A	SHEET(ARM2)
157			LY30029-0N3A	SPACER(A)	250			LY30018-006B	SPECIAL SCREW,A,B
165			LY43074-001B	BRACKET(MECHA)ASSY,A				LY30018-0E3A	SPECIAL SCREW,C,D
			LY43074-001C	BRACKET(MECHA)ASSY,B,C,D	252			LY43160-001A	SHEET(CCD PWB)
165A			LY42796-001A	BUSH,X3	253			LY30029-0P6A	SPACER(A)
166			LY30019-028A	SPECIAL SCREW,X3	254			LY43075-001C	OP BRACKET ASSY
168			LY43190-001A	SHIELD ASSY	254A			LY41675-001A	RUBBER
168A			LY42189-001A	SPACER	255			LY30018-0D7A	SPECIAL SCREW
169			LY30018-005A	SPECIAL SCREW,X2	256			LY30029-0L4A	SPACER(A)
170			LY43083-001A	BRACKET(PRE-REC)	- OPTICAL BLOCK SECTION -				
171			QYSPSPT1414M	SCREW	251			J0D-201A	OPTICAL BLOCK ASSY
172			LY43159-001B	SHEET(SHUTTER)	251A			LY32158-001A	ZOOM MOTOR
173			LY32001-002A	LABEL(HOUSING)	251B			LY32157-001A	FOCUS MOTOR
174			LY40699-002A	LABEL(PUSH)	251C			LY30727-006B	SCREW,X5
185			LY20756-003A	LOWER CASE,A,B	251D			LY30727-001A	SCREW,X2
			LY20756-001C	LOWER CASE,C,D	251E			LY42983-001A	OPTICAL LPF
186			LY32239-001B	BUTTON(FUNC.),A	251F			LY42948-001B	SHEET
			LY32239-001C	BUTTON(FUNC.),B,C,D	251G			LYH40167-001B	CCD BASE ASSY
187			LY30018-065A	SPECIAL SCREW,X3	251H			LY32162-001A	IRIS UNIT
					251J			QYSPSGUI740Z	SCREW,X2



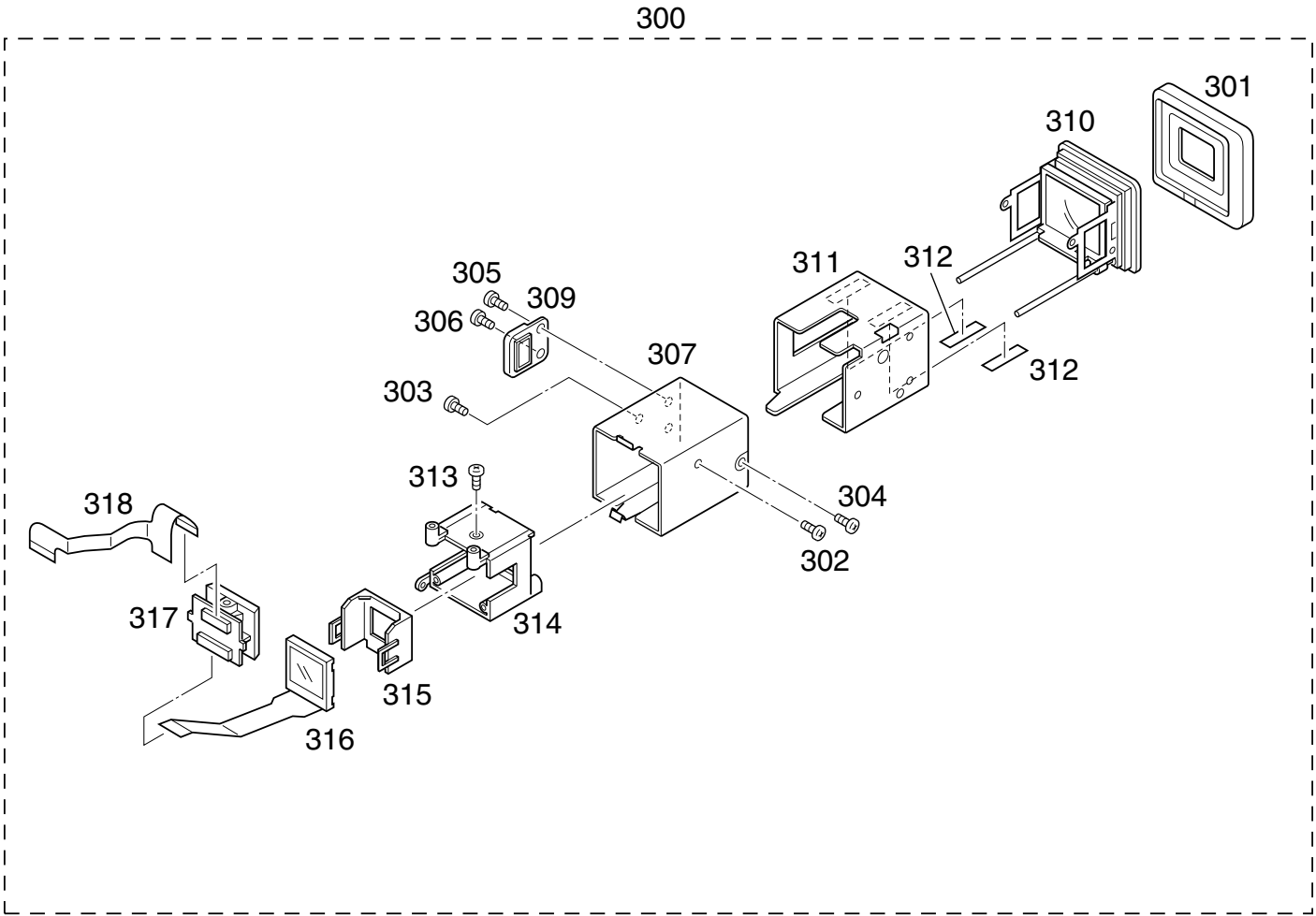
Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-P	AA
Oil	YTU94027	BB
Grease (HANARL)	RX-410R	CC

NOTE: The section marked in **AA** and **BB**, **CC** indicate lubrication and greasing areas.

#	△	REF No.	PART No.	PART NAME, DESCRIPTION	#	△	REF No.	PART No.	PART NAME, DESCRIPTION

MECHANISM ASSEMBLY <M3>									
400			YMA0029B	MECHA(A)ASSY	458			LY41954-001A	SUB CAM ASSY
401			LY31543-002C	CASSETTE HOUSING ASSY	459			LY42120-001A	MINI SCREW
402			YQ43893-8	MINI SCREW,X3	460			LY41952-001A	CNTLROL ARM ASSY
403			LY31542-001E	UPPER BASE ASSY	461			LY31523-001A	REEL GEAR 1
404			YQ43893	MINI SCREW	462			LY31508-001B	DRUM BASE ASSY
405			YDV2096B	DRUM ASSY	463			QYSPSPU1425M	SCREW,X3
406			LY42820-001A	DAMPER SCREW ASSY,X2	464			QAR0142-001	CAPSTAN MOTOR
407			LY42820-002A	DAMPER SCREW ASSY	465			YQ43893	MINI SCREW
408			LY31538-001B	REEL DISK ASSY	466			LY10210-001C	MAIN DECK ASSY
409			LY31538-002B	REEL DISK ASSY	476			YQ44246	SLIT WASHER
410			YQ44246	SLIT WASHER,X2					
411			LY10217-001A	REEL COVER ASSY					
412			LY42120-001A	MINI SCREW					
413			LY41945-003A	MINI SCREW,X2					
414			YQ44246	SLIT WASHER,X2					
415			LY42025-001A	TENSSION ARM ASSY					
416			LY31535-001B	SLANT POLE ARM ASSY					
417			LY42031-001C	TU ARM ASSY					
418			LY31531-001B	SWING ARM ASSY					
419			YQ43893	MINI SCREW					
420			LY20530-002B	SLIDE DECK FINAL ASSY					
421			YQ43893	MINI SCREW,X2					
422			LY43023-001A	MINI SCREW					
424			LY31533-001C	PAD ARM ASSY					
425			YQ44246	SLIT WASHER					
426			LY42014-001A	SUP BRAKE ASSY					
427			YQ43893	MINI SCREW					
428			LY42016-001A	TU BRAKE ASSY					
429			YQ44246	SLIT WASHER					
430			LY41959-001A	TENSION CONTROL LEVER ASSY					
431			LY31525-001A	CENTER GEAR					
432			LY31516-001B	PINCH ROLLER ARM FINAL ASSY					
433			YQ44246	SLIT WASHER					
434			LY41956-001B	TENSION CONTROL PLATE ASSY					
435			LY41962-001B	BRAKE CONTROL LEVER ASSY					
436			LY20525-002A	MONITOR BRACKET ASSY					
436A			QAR0138-001	LOADING MOTOR					
436B			LY41940-001A	TAPPING SCREW,X2					
437			YQ43893	MINI SCREW,X3					
438			LY20528-001G	GUIDE RAIL ASSY					
439			YQ43893	MINI SCREW					
440			YQ44246	SLIT WASHER,X2					
441			LY31498-002B	SLIDE LEVER2 ASSY					
442			LY41965-001A	LOADING PLATE ASSY					
443			YQ44246	SLIT WASHER					
444			LY31522-001A	EJECT LEVER					
445			YQ44246	SLIT WASHER					
446			LY41929-001A	BASE R ASSY					
447			YQ43893	MINI SCREW					
448			LY41945-001A	MINI SCREW					
449			LY41930-001A	MODE GEAR					
450			QSW0876-002	ROTARY ENCODER					
451			YQ43893	MINI SCREW,X2					
452			LY31524-001A	GEAR COVER ASSY					
453			YQ43893	MINI SCREW,X2					
454			YQ43893-4	MINI SCREW					
455			LY41948-001A	MAIN CAM ASSY					
456			LY41941-001A	SLIDE ARM ASSY					
457			LY41951-001A	CONNECT GEAR 2					

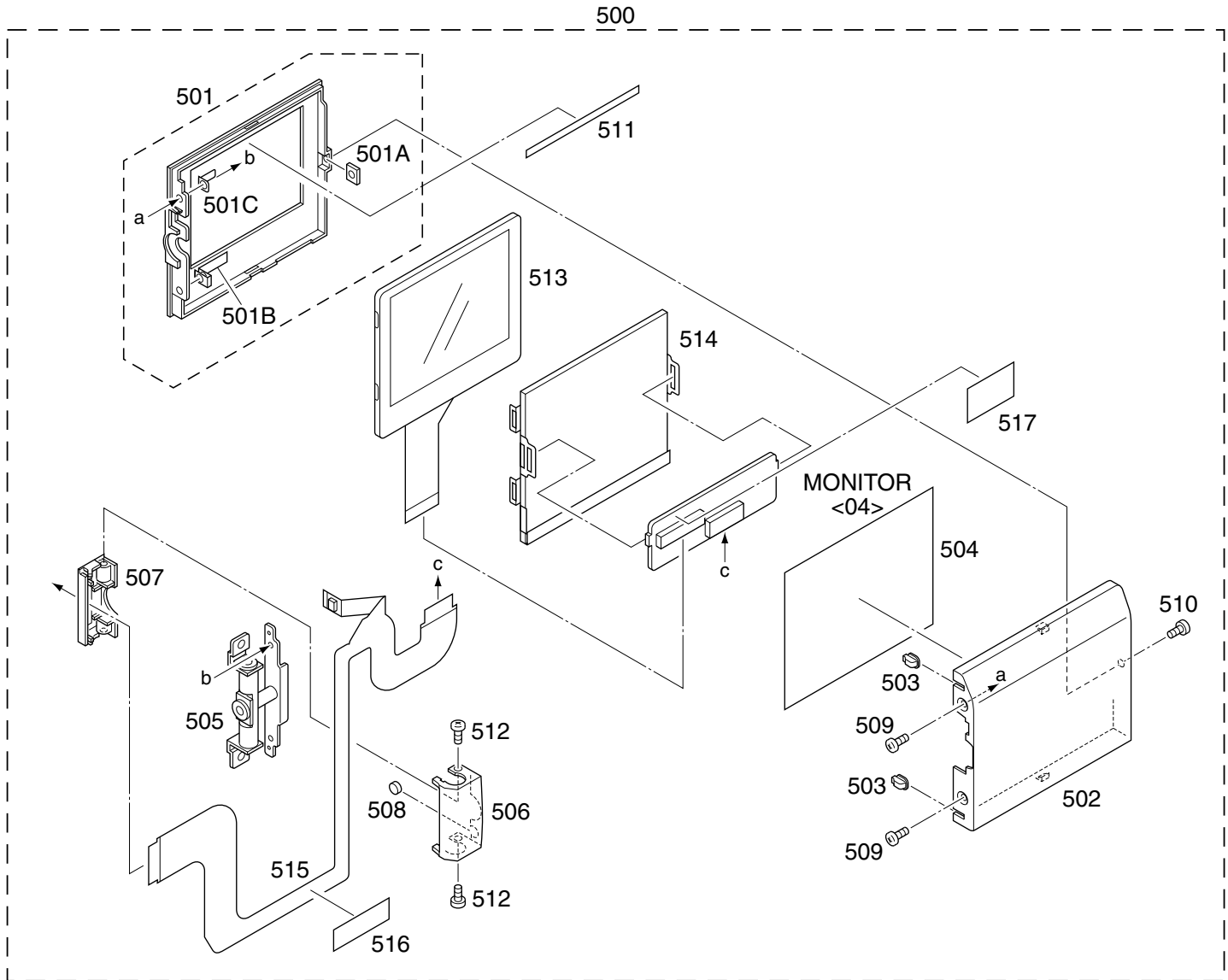
5.4
ELECTRONIC VIEWFINDER ASSEMBLY <M4>



#	△	REF No.	PART No.	PART NAME, DESCRIPTION	#	△	REF No.	PART No.	PART NAME, DESCRIPTION

ELECTRONIC VIEWFINDER ASSEMBLY <M4>									
300			LY32231-001D	VF UNIT	307			PTY32231-011	CASE ASSY
301			PTY32231-001	EYE CUP	309			PTY32231-012	CAP(VF)
302			LY30018-005A	SPECIAL SCREW	310			PTY32231-041	EYE PIECE SUB ASSY
303			LY30018-005A	SPECIAL SCREW	311			PTY32231-031	GUIDE(VF)
304			LY30018-005A	SPECIAL SCREW	312			LY30029-0M2A	SPACER(A),X2
305			LY30019-036A	SPECIAL SCREW	313			LY30018-0D4A	SPECIAL SCREW
306			LY30019-036A	SPECIAL SCREW	314			PTY32231-021	FRANE(VF)
					315			PTY32231-051	HOLDER(LCD)
					316			QLD0117-002	LCD MODULE
					317			PTY32231-061	B/L PWB
					318			PTY32231-071	FPC(VF)

5.5 MONITOR ASSEMBLY <M5>



#	△	REF No.	PART No.	PART NAME, DESCRIPTION

MONITOR ASSEMBLY <M5>				
△	500	LYH20289-003B	MONITOR ASSY,C,D	
△		LYH20289-004B	MONITOR ASSY,A,B	
	501	LY32263-002B	MONITOR CASE ASSY,A,B	
		LY32263-001E	MONITOR CASE ASSY,C,D	
	501A	LY40162-001A	BRACKET	
	501B	LY43202-001A	EARTH(MONI.2)	
	501C	LY43077-001B	EARTH(MONI.)	
△	502	LY10297-003B	MONITOR COVER,A,B	
△		LY10297-001C	MONITOR COVER,C,D	
	503	LY43078-001B	RIB(MONI.),X2	
	504	LY43085-001A	SHEET(M.COVER)	
	505	LY32230-001B	HINGE ASSY	
	506	LY32267-001A	HINGE COVER(U),C,D	

#	REF No.	PART No.	PART NAME, DESCRIPTION
		LY32267-002A	HINGE COVER(U),A,B
507		LY32268-001A	HINGE COVER(L),C,D
		LY32268-002A	HINGE COVER(L),A,B
508		LY42355-001A	MAGNET
509		LY30018-0D9A	SPECIAL SCREW,X2,A,B
		LY30018-0D3A	SPECIAL SCREW,X2,C,D
510		LY30018-081A	SPECIAL SCREW,C,D
		LY30018-043B	SPECIAL SCREW,A,B
511		LY30029-0M8A	SPACER(A)
512		LY30018-0B7A	SPECIAL SCREW,X2,A,B
		LY30018-087A	SPECIAL SCREW,X2,C,D
513		QLD0131-001	LCD MODULE
514		QLL0097-001	BACK LIGHT
515		LY32282-001B	FPC ASSY(MONI)
516		LY43214-001A	SHEET(MONI.FPC)
517		LY30029-0N7A	SPACER(A)

5.6 ELECTRICAL PARTS LIST

#	△	REF No.	PART No.	PART NAME, DESCRIPTION	#	△	REF No.	PART No.	PART NAME, DESCRIPTION
*****					Q1002		2SC4617/QR/-X		TRANSISTOR
					Q1003		DTC143EE		TRANSISTOR
							or RN1101		TRANSISTOR
							or UN921LJ		TRANSISTOR
					Q1004		DTC143XE		TRANSISTOR
					Q1006		DTA114EE		TRANSISTOR
							or PDTA114EE		TRANSISTOR
							or RN2102		TRANSISTOR
							or UN9111J		TRANSISTOR
					Q1007		DTC144EE		TRANSISTOR
							or RN1104		TRANSISTOR
							or UN9213J		TRANSISTOR
							or PDTC144EE		TRANSISTOR
					Q1401		DTA114EE		TRANSISTOR
							or PDTA114EE		TRANSISTOR
							or RN2102		TRANSISTOR
							or UN9111J		TRANSISTOR
					Q1402		UMC3N		TRANSISTOR
					Q1403		UMC3N		TRANSISTOR
					Q1601		UMC3N		TRANSISTOR
					Q2701		UMX1N		PAIR TRANSISTOR
					Q2702		UMX1N		PAIR TRANSISTOR
					Q3701		UMT2N		PAIR TRANSISTOR
					Q3702		UMZ1N		PAIR TRANSISTOR
					Q4301		UMT2N		PAIR TRANSISTOR
					Q4303		2SA1774/QR/-X		TRANSISTOR
					Q6001		SSM6J07FU		MOS FET
					Q6002		2SK3019		MOS FET
							or 2SK1830		MOS FET
					Q6003		2SJ347		MOS FET
					Q6004		2SK3019		MOS FET
							or 2SK1830		MOS FET
					Q6005		DTC144EE		TRANSISTOR
							or PDTC144EE		TRANSISTOR
							or RN1104		TRANSISTOR
							or UN9213J		TRANSISTOR
					Q6101		FDC6506P		MOS FET
					Q6102		FDC6506P		MOS FET
					Q6103		FDC6506P		MOS FET
					Q6104		2SC4617/RS/-X		TRANSISTOR
					Q6105		UMZ1N		PAIR TRANSISTOR
					Q6106		UMX1N		PAIR TRANSISTOR
					Q6107		2SA1577/RS/-X		TRANSISTOR
					Q7802		UMZ1N		PAIR TRANSISTOR
					Q7803		UMZ1N		PAIR TRANSISTOR
					Q7806		2SA1577/QR/-X		TRANSISTOR
					Q7807		DTC144EE		TRANSISTOR
							or PDTC144EE		TRANSISTOR
							or RN1104		TRANSISTOR
							or UN9213J		TRANSISTOR
					Q8401		DTA114EE		TRANSISTOR
							or PDTA114EE		TRANSISTOR
							or RN2102		TRANSISTOR
							or UN9111J		TRANSISTOR
					D1001		DA221		DIODE
					D1002		1SS376		DIODE
					D1602		DAP222		DIODE
					D1603		DAP222		DIODE
					D1604		DAP222		DIODE
					D2701		UMZ6.8EN		ZENER DIODE
					D2702		EMZ6.8N		ZENER DIODE
					D2703		DAN222		DIODE
					D3001		EC2C01C		VARI CAP DIODE

#	△	REF No.	PART No.	PART NAME, DESCRIPTION

MAIN BOARD ASSEMBLY <01>				
PW		YB10327B-03		MAIN BOARD ASSY,A
		YB10327B-04		MAIN BOARD ASSY,B,C,D
IC1001		UPD703039F1-A14		IC(MICRO C ROM)
		or UPD70F3040F1A14		IC
IC1002		RS5C314		IC
IC1003		AT25320N-10SI-X		IC
		or 25LC640-I/SN-X		IC
		or X25330S8I-2.5-X		IC
IC1006		MB90097PFV142		IC(MICRO C ROM)
IC1007		SN74AHC1G08K		IC
IC1101		TA75W01FU		IC
IC1401		UPD703040YF-M02		IC(MICRO C ROM)
		or UPD70F3040YFM02		IC
IC1601		BD6630KV		IC
IC1701		TA75W01FU		IC
IC1702		TA75W393FU		IC
IC3001		JCY0170		IC
IC3002		JCY0136		IC
IC3003		TLC2940IPW		IC
IC3004		SN74AHC1G04K		IC
IC3006		JCY0164		IC
IC3501		JCY0132		IC
IC3701		BA7665FS		IC
IC4201		HD49326BF		IC
IC4202		MM1385HN		IC
IC4301		JCY0167		IC
IC4302		MSM548331TA		IC(DIGITAL)
IC4303		MSM548331TA		IC(DIGITAL)
IC4304		MM1385NN		IC
IC5501		JCY0117		IC
IC6001		S-80842ANNP-W		IC
IC6002		S-817A33ANB-W		IC
IC6003		S-814A30AMC-W		IC
IC6004		S-80826ANNP-W		IC
IC6101		FA3676F		IC
IC7402		CXA3503R-B		IC
IC7801		CXA3268AR-B		IC
IC7802		MM1385HN		IC
IC7804		TA75W01FU		IC
IC8001		JCY0169		IC
IC8002		MSM56V16160D1LS		IC
IC8003		M32310D5WG		IC
IC8004		MBV800TA90PBA12		IC(MICRO C ROM)
IC8005		SN74AHC1G00K		IC
		or TC7S00FU		IC
IC8006		MM1385NN		IC
IC8007		MM1385EN		IC
IC8008		TC7WHU04FU		IC
IC8009		TC7WH74FK		IC
IC8010		TC7WH32FK		IC
IC8011		SN74AHC1G08K		IC
IC8012		TC7WH74FK		IC
IC8101		TMS320DA050		IC
IC8102		TC7MA2244FK		IC
IC8103		TC7S04FU		IC(DIGITAL)
IC8401		ML60851CLB		IC
		or ML60851DLB		IC
IC8402		S-80842ANNP-W		IC
Q1001		DTC124EE		TRANSISTOR
		or UN9212J		TRANSISTOR

# ▲ REF No.	PART No.	PART NAME, DESCRIPTION		# ▲ REF No.	PART No.	PART NAME, DESCRIPTION	
	D3002	EC2C01C	VARI CAP DIODE		R1072	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W
	D3003	EC2C01C	VARI CAP DIODE		R1101	NRSA6AJ-333W	MG RESISTOR 33kΩ, 1/16W
	D5501	1SS355	DIODE		R1102	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
▲	D6001	RB706D-40-X	SB DIODE		R1104	NRSA6AJ-105W	MG RESISTOR 1MΩ, 1/16W
	D6002	RB715F	SB DIODE		R1106	NRSA6AJ-105W	MG RESISTOR 1MΩ, 1/16W
	D6101	CRS01	SB DIODE		R1107	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	D6102	CRS01	SB DIODE		R1108	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
	D6103	CRS01	SB DIODE		R1109	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	D6104	CRS01	SB DIODE		R1401	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
	D6105	CRS01	SB DIODE		R1404	NRSA6AJ-105W	MG RESISTOR 1MΩ, 1/16W
	D6106	1SS383	SB DIODE		R1405	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	D6107	1SS383	SB DIODE		R1408	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
	D6108	MA8043/L-X	ZENER DIODE		R1422	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
	D7401	MA365	VARI CAP DIODE		R1423	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
	D7801	MA365	VARI CAP DIODE		R1424	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
	D7803	MA111	DIODE		R1425	NRVA6AD-753W	CMF RESISTOR 75kΩ, 1/16W
	D8001	1SS355	DIODE		R1426	NRSA6AJ-334W	MG RESISTOR 330kΩ, 1/16W
	D8401	RB751V-40-X	SB DIODE		R1438	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
	R1001	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W		R1439	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
	R1002	NRSA6AJ-224W	MG RESISTOR 220kΩ, 1/16W		R1440	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
	R1003	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W		R1441	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
	R1004	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1442	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
	R1005	NRSA6AJ-153W	MG RESISTOR 15kΩ, 1/16W		R1443	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
	R1006	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1444	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
	R1007	NRSA6AJ-334W	MG RESISTOR 330kΩ, 1/16W		R1445	NRSA6AJ-101W	MG RESISTOR 100Ω, 1/16W
	R1008	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1601	NRSA6AJ-681W	MG RESISTOR 680Ω, 1/16W
	R1009	NRSA6AJ-152W	MG RESISTOR 1.5kΩ, 1/16W		R1602	NRSA6AJ-124W	MG RESISTOR 120kΩ, 1/16W
	R1010	NRSA6AJ-561W	MG RESISTOR 560Ω, 1/16W		R1603	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
	R1011	NRSA6AJ-182W	MG RESISTOR 1.8kΩ, 1/16W		R1604	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W
	R1012	NRSA6AJ-272W	MG RESISTOR 2.7kΩ, 1/16W		R1605	NRV142F-R22X	CMF RESISTOR 0.22Ω, 1/4W
	R1013	NRSA6AJ-392W	MG RESISTOR 3.9kΩ, 1/16W		R1606	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	R1014	NRSA6AJ-682W	MG RESISTOR 6.8kΩ, 1/16W		R1609	NRV142F-R33X	CMF RESISTOR 0.33Ω, 1/4W
	R1015	NRSA6AJ-474W	MG RESISTOR 470kΩ, 1/16W		R1610	NRSA6AJ-471W	MG RESISTOR 470Ω, 1/16W
	R1017	NRSA6AJ-391W	MG RESISTOR 390Ω, 1/16W		R1611	NRSA6AJ-471W	MG RESISTOR 470Ω, 1/16W
	R1018	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1612	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W
	R1020	NRSA6AJ-331W	MG RESISTOR 330Ω, 1/16W		R1613	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
	R1021	NRSA6AJ-331W	MG RESISTOR 330Ω, 1/16W		R1614	NRSA6AJ-682W	MG RESISTOR 6.8kΩ, 1/16W
	R1022	NRSA6AJ-331W	MG RESISTOR 330Ω, 1/16W		R1615	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	R1023	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W		R1616	NRSA6AJ-681W	MG RESISTOR 680Ω, 1/16W
	R1024	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W		R1617	NRSA6AJ-224W	MG RESISTOR 220kΩ, 1/16W
	R1025	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W		R1618	NRSA6AJ-154W	MG RESISTOR 150kΩ, 1/16W
	R1026	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W		R1619	NRSA6AJ-223W	MG RESISTOR 22kΩ, 1/16W
	R1029	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W		R1620	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	R1030	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W		R1621	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	R1037	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1622	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	R1039	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1624	NRSA6AD-123W	MG RESISTOR 12kΩ, 1/16W
	R1044	NRSA6AJ-123W	MG RESISTOR 12kΩ, 1/16W		R1628	NRSA6AD-361W	MG RESISTOR 360Ω, 1/16W
	R1045	NRSA6AJ-822W	MG RESISTOR 8.2kΩ, 1/16W		R1629	NRSA6AJ-564W	MG RESISTOR 560kΩ, 1/16W
	R1046	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1630	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
	R1047	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W		R1631	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
	R1048	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W		R1632	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
	R1049	NRSA6AJ-393W	MG RESISTOR 39kΩ, 1/16W		R1633	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
	R1050	NRSA6AJ-223W	MG RESISTOR 22kΩ, 1/16W		R1634	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
	R1051	NRSA6AJ-272W	MG RESISTOR 2.7kΩ, 1/16W		R1635	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
	R1052	NRSA6AJ-183W	MG RESISTOR 18kΩ, 1/16W		R1636	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
	R1053	NRSA6AJ-154W	MG RESISTOR 150kΩ, 1/16W		R1637	NRSA6AJ-124W	MG RESISTOR 120kΩ, 1/16W
	R1054	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W		R1644	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
	R1055	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W		R1701	NRSA6AJ-823W	MG RESISTOR 82kΩ, 1/16W
	R1056	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W		R1702	NRSA6AJ-222W	MG RESISTOR 2.2kΩ, 1/16W
	R1058	NRSA6AJ-222W	MG RESISTOR 2.2kΩ, 1/16W		R1703	NRSA6AJ-222W	MG RESISTOR 2.2kΩ, 1/16W
	R1060	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W		R1704	NRSA6AJ-222W	MG RESISTOR 2.2kΩ, 1/16W
	R1066	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W		R1705	NRSA6AJ-222W	MG RESISTOR 2.2kΩ, 1/16W
	R1071	NRSA6AJ-474W	MG RESISTOR 470kΩ, 1/16W		R1706	NRSA6AJ-823W	MG RESISTOR 82kΩ, 1/16W

# △ REF No.	PART No.	PART NAME, DESCRIPTION		# △ REF No.	PART No.	PART NAME, DESCRIPTION	
R1707	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R3509	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R1708	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W	R3521	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1709	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R3522	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1710	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W	R3523	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1711	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R3525	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1712	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R3701	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R2701	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W	R3702	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R2702	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W	R3703	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2703	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W	R3704	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R2704	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W	R3705	NRSA6AD-221W	MG RESISTOR	220Ω,1/16W
R2705	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	R3706	NRSA6AD-221W	MG RESISTOR	220Ω,1/16W
R2706	NRSA6AJ-151W	MG RESISTOR	150Ω,1/16W	R3707	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2707	NRSA6AJ-151W	MG RESISTOR	150Ω,1/16W	R3708	NRSA6AD-680W	MG RESISTOR	68Ω,1/16W
R2708	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R3709	NRSA6AD-680W	MG RESISTOR	68Ω,1/16W
R2709	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R3711	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
R2710	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	R3712	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2909	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	R3714	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R3002	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R3715	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R3004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R3716	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3007	NRSA6AJ-562W	MG RESISTOR	5.6kΩ,1/16W	R4203	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3008	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	R4204	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R3009	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R4205	NRSA6AJ-243W	MG RESISTOR	24kΩ,1/16W
R3010	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R4206	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3011	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W	R4207	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3013	NRSA6AJ-242W	MG RESISTOR	2.4kΩ,1/16W	R4208	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3014	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W	R4301	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R3015	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W	R4302	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3016	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W	R4304	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3017	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W	R4307	NRVA6AD-333W	CMF RESISTOR	33kΩ,1/16W
R3018	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W	R4308	NRVA6AD-682W	CMF RESISTOR	6.8kΩ,1/16W
R3019	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W	R4309	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3020	NRSA6AD-512W	MG RESISTOR	5.1kΩ,1/16W	R4311	NRVA6AD-272W	CMF RESISTOR	2.7kΩ,1/16W
R3025	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R4312	NRVA6AD-272W	CMF RESISTOR	2.7kΩ,1/16W
R3026	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R4313	NRVA6AD-272W	CMF RESISTOR	2.7kΩ,1/16W
R3027	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R4314	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R3029	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R4315	NRVA6AD-103W	CMF RESISTOR	10kΩ,1/16W
R3030	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W	R4316	NRVA6AD-111W	CMF RESISTOR	110Ω,1/16W
R3031	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W	R4317	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3033	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R4318	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R3034	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	R4319	NRVA6AD-111W	CMF RESISTOR	110Ω,1/16W
R3041	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W	R4320	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3042	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W	R4321	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R3043	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W	R4322	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3044	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W	R4323	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3045	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	R4324	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3046	NRSA6AD-222W	MG RESISTOR	2.2kΩ,1/16W	R4325	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3047	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R4326	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3050	NRSA63J-101X	MG RESISTOR	100Ω,1/16W	R4327	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3052	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R4328	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3053	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R4329	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R3054	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R4330	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3055	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R4331	NRVA6AD-111W	CMF RESISTOR	110Ω,1/16W
R3057	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	R4332	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R3059	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R4333	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3062	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R4336	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3501	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W	R4338	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R3502	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	R4340	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
R3503	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	R4341	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R3504	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W	R4342	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R3505	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W	R4343	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R3506	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W	R5501	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
R3507	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W	R5503	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3508	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W	R5504	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W

# ▲ REF No.	PART No.	PART NAME, DESCRIPTION		# ▲ REF No.	PART No.	PART NAME, DESCRIPTION	
R5505	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W	R6147	NRSA6AD-123W	MG RESISTOR	12kΩ, 1/16W
R5506	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W	R6148	NRSA6AD-103W	MG RESISTOR	10kΩ, 1/16W
R5507	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W	R6150	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R5509	NRSA6AJ-220W	MG RESISTOR	22Ω, 1/16W	R7401	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W
R5510	NRSA6AJ-470W	MG RESISTOR	47Ω, 1/16W	R7402	NRSA6AD-333W	MG RESISTOR	33kΩ, 1/16W
R5511	NRSA6AJ-470W	MG RESISTOR	47Ω, 1/16W	R7403	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R5512	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W	R7404	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R5513	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W	R7405	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R5514	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W	R7406	NRSA6AD-153W	MG RESISTOR	15kΩ, 1/16W
R6001	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W	R7407	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6002	NRSA6AD-183W	MG RESISTOR	18kΩ, 1/16W	R7409	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W
R6003	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W	R7410	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W
R6004	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W	R7411	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W
R6005	NRSA6AJ-224W	MG RESISTOR	220kΩ, 1/16W	R7415	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6006	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W	R7416	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6007	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W	R7420	NRSA6AJ-333W	MG RESISTOR	33kΩ, 1/16W
R6011	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W	R7421	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W
R6012	NRSA6AD-823W	MG RESISTOR	82kΩ, 1/16W	R7422	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W
R6013	NRSA6AD-473W	MG RESISTOR	47kΩ, 1/16W	R7423	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W
R6017	NRSA63J-102X	MG RESISTOR	1kΩ, 1/16W	R7436	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
▲ R6018	NRSA63J-471X	MG RESISTOR	470Ω, 1/16W	R7439	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6101	NRSA6AD-302W	MG RESISTOR	3kΩ, 1/16W	R7440	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6102	NRSA6AD-243W	MG RESISTOR	24kΩ, 1/16W	R7445	NRSA6AJ-101W	MG RESISTOR	100Ω, 1/16W
R6103	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W	R7446	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6104	NRSA6AJ-224W	MG RESISTOR	220kΩ, 1/16W	R7449	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6105	NRSA6AJ-184W	MG RESISTOR	180kΩ, 1/16W	R7801	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6107	NRSA6AD-153W	MG RESISTOR	15kΩ, 1/16W	R7802	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6108	NRSA6AD-123W	MG RESISTOR	12kΩ, 1/16W	R7806	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W
R6109	NRSA6AD-562W	MG RESISTOR	5.6kΩ, 1/16W	R7808	NRSA6AD-333W	MG RESISTOR	33kΩ, 1/16W
R6110	NRSA6AD-473W	MG RESISTOR	47kΩ, 1/16W	R7809	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W
R6111	NRSA6AD-472W	MG RESISTOR	4.7kΩ, 1/16W	R7810	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W
R6112	NRSA6AD-113W	MG RESISTOR	11kΩ, 1/16W	R7812	NRSA6AD-153W	MG RESISTOR	15kΩ, 1/16W
R6113	NRSA6AD-223W	MG RESISTOR	22kΩ, 1/16W	R7814	NRSA6AJ-333W	MG RESISTOR	33kΩ, 1/16W
R6114	NRSA6AD-183W	MG RESISTOR	18kΩ, 1/16W	R7815	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W
R6115	NRSA6AD-512W	MG RESISTOR	5.1kΩ, 1/16W	R7816	NRSA6AJ-102W	MG RESISTOR	1kΩ, 1/16W
R6116	NRVA6AD-433W	CMF RESISTOR	43kΩ, 1/16W	R7817	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W
R6117	NRSA6AJ-272W	MG RESISTOR	2.7kΩ, 1/16W	R7820	NRSA6AD-223W	MG RESISTOR	22kΩ, 1/16W
R6118	NRSA6AJ-472W	MG RESISTOR	4.7kΩ, 1/16W	R7821	NRSA6AD-183W	MG RESISTOR	18kΩ, 1/16W
R6119	NRSA6AD-683W	MG RESISTOR	68kΩ, 1/16W	R7822	NRSA6AD-331W	MG RESISTOR	330Ω, 1/16W
R6120	NRSA6AD-123W	MG RESISTOR	12kΩ, 1/16W	R7823	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W
R6121	NRSA6AJ-223W	MG RESISTOR	22kΩ, 1/16W	R7824	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W
R6122	NRSA6AJ-223W	MG RESISTOR	22kΩ, 1/16W	R7825	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W
R6124	NRSA6AJ-330W	MG RESISTOR	33Ω, 1/16W	R7826	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6125	NRSA6AJ-330W	MG RESISTOR	33Ω, 1/16W	R7827	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6126	NRSA6AJ-473W	MG RESISTOR	47kΩ, 1/16W	R7834	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W
R6127	NRSA6AJ-330W	MG RESISTOR	33Ω, 1/16W	R7835	NRSA6AJ-223W	MG RESISTOR	22kΩ, 1/16W
R6128	NRSA6AJ-330W	MG RESISTOR	33Ω, 1/16W	R7836	NRSA6AJ-223W	MG RESISTOR	22kΩ, 1/16W
R6129	NRSA6AJ-330W	MG RESISTOR	33Ω, 1/16W	R7837	NRSA6AJ-103W	MG RESISTOR	10kΩ, 1/16W
R6130	NRSA6AJ-473W	MG RESISTOR	47kΩ, 1/16W	R7838	NRSA6AJ-472W	MG RESISTOR	4.7kΩ, 1/16W
R6131	NRSA6AJ-330W	MG RESISTOR	33Ω, 1/16W	R7846	NRSA6AJ-333W	MG RESISTOR	33kΩ, 1/16W
R6132	NRSA6AJ-101W	MG RESISTOR	100Ω, 1/16W	R7847	NRSA6AJ-683W	MG RESISTOR	68kΩ, 1/16W
R6133	NRSA6AJ-222W	MG RESISTOR	2.2kΩ, 1/16W	R7848	NRSA6AJ-473W	MG RESISTOR	47kΩ, 1/16W
R6134	NRSA6AD-333W	MG RESISTOR	33kΩ, 1/16W	R7849	NRSA6AJ-184W	MG RESISTOR	180kΩ, 1/16W
R6135	NRSA6AD-473W	MG RESISTOR	47kΩ, 1/16W	R7857	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6136	NRSA6AJ-473W	MG RESISTOR	47kΩ, 1/16W	R7858	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6137	NRSA6AJ-273W	MG RESISTOR	27kΩ, 1/16W	R7859	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6138	NRSA6AJ-822W	MG RESISTOR	8.2kΩ, 1/16W	R7881	NRSA6AJ-101W	MG RESISTOR	100Ω, 1/16W
R6139	NRSA6AD-823W	MG RESISTOR	82kΩ, 1/16W	R7882	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6140	NRSA6AD-513W	MG RESISTOR	51kΩ, 1/16W	R7885	NRSA6AJ-0R0W	MG RESISTOR	0Ω, 1/16W
R6141	NRSA6AD-473W	MG RESISTOR	47kΩ, 1/16W	R7887	NRSA6AJ-473W	MG RESISTOR	47kΩ, 1/16W
R6144	NRSA6AD-223W	MG RESISTOR	22kΩ, 1/16W	R7888	NRSA6AJ-184W	MG RESISTOR	180kΩ, 1/16W
R6145	NRSA6AD-473W	MG RESISTOR	47kΩ, 1/16W	R8002	NRSA6AJ-100W	MG RESISTOR	10Ω, 1/16W
R6146	NRSA6AD-104W	MG RESISTOR	100kΩ, 1/16W	R8004	NRSA6AJ-104W	MG RESISTOR	100kΩ, 1/16W

# △ REF No.	PART No.	PART NAME, DESCRIPTION		# △ REF No.	PART No.	PART NAME, DESCRIPTION	
R8006	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R8401	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R8007	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	R8402	NRS181J-220X	MG RESISTOR	22Ω,1/8W
R8008	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R8403	NRS181J-220X	MG RESISTOR	22Ω,1/8W
R8011	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R8404	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R8014	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R8406	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R8015	NRVA6AD-133W	CMF RESISTOR	13kΩ,1/16W	R8407	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R8017	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R8408	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8020	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	R8409	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8021	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	R8410	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8022	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W	R8411	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8023	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	R8412	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8025	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	RA1008	NRZ0034-104W	NETWORK RESISTOR	100kΩ
R8026	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	RA1009	NRZ0034-104W	NETWORK RESISTOR	100kΩ
R8027	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	RA1010	NRZ0034-104W	NETWORK RESISTOR	100kΩ
R8028	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	RA1401	NRZ0034-473W	NETWORK RESISTOR	47kΩ
R8029	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	RA1402	NRZ0034-102W	NETWORK RESISTOR	1kΩ
R8030	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W	RA4301	NRZ0034-101W	NETWORK RESISTOR	100Ω
R8032	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	RA4302	NRZ0034-101W	NETWORK RESISTOR	100Ω
R8033	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	RA4303	NRZ0034-101W	NETWORK RESISTOR	100Ω
R8034	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	RA4304	NRZ0034-101W	NETWORK RESISTOR	100Ω
R8035	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	RA4305	NRZ0034-101W	NETWORK RESISTOR	100Ω
R8036	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	RA4306	NRZ0034-101W	NETWORK RESISTOR	100Ω
R8037	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	RA4307	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8038	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	RA4308	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8040	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	RA4309	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8046	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	RA4310	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8047	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	RA8001	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8049	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	RA8002	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8050	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	RA8003	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8051	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	RA8004	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8052	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W	RA8401	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8053	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	RA8402	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8054	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	RA8403	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8055	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	RA8404	NRZ0034-100W	NETWORK RESISTOR	10Ω
R8101	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	C1004	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8102	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	C1006	NDCA1HJ-130W	CAPACITOR	13pF,50V
R8104	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	C1007	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8105	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	C1011	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8106	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W	C1013	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8107	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W	C1015	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8108	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	C1016	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8109	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	C1017	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8110	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	C1018	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8111	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	C1019	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8112	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	C1023	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
R8113	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	C1026	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
R8115	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W	C1027	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8116	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	C1028	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8117	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	C1029	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8118	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W	C1030	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8119	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	C1031	NCF31AZ-105X	CAPACITOR	1μF,10V
R8120	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W	C1034	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8121	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	C1036	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8122	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	C1037	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8124	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	C1038	NCBA1CK-103W	CAPACITOR	0.01μF,16V
R8128	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	C1101	NCBA1AK-104W	CAPACITOR	0.1μF,10V
R8129	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	C1102	NCBA1CK-223W	CAPACITOR	0.022μF,16V
R8130	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	C1103	NCBA1CK-223W	CAPACITOR	0.022μF,16V
R8131	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	C1111	NCB30JK-105X	CAPACITOR	1μF,6.3V
R8132	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W	C1112	NBE90JM-106X	T CAPACITOR	10μF,6.3V
R8133	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	C1113	NBE90JM-106X	T CAPACITOR	10μF,6.3V
R8134	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	C1401	NDCA1HJ-150W	CAPACITOR	15pF,50V
R8135	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	C1402	NDCA1HJ-150W	CAPACITOR	15pF,50V

# ▲ REF No.	PART No.	PART NAME, DESCRIPTION		# ▲ REF No.	PART No.	PART NAME, DESCRIPTION	
C1403	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3032	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C1404	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3033	NDC31HJ-470X	CAPACITOR	47pF,50V
C1405	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3034	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C1406	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3035	NDC31HJ-390X	CAPACITOR	39pF,50V
C1407	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3038	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1414	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3039	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1415	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3040	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1416	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3041	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1417	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3042	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1418	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3043	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1419	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3044	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1420	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3045	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1601	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3046	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1602	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C3047	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1603	NBE21AM-106X	T CAPACITOR	10μF,10V	C3051	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1605	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3052	NCBA1HK-331W	CAPACITOR	330pF,50V
C1606	NCBA1HK-152W	CAPACITOR	0.0015μF,50V	C3053	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C1607	NCBA1AK-473W	CAPACITOR	0.047μF,10V	C3056	NCB30JK-105X	CAPACITOR	1μF,6.3V
C1614	NBE21AM-106X	T CAPACITOR	10μF,10V	C3057	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1618	NCBA1HK-222W	CAPACITOR	0.0022μF,50V	C3058	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1619	NCBA1HK-222W	CAPACITOR	0.0022μF,50V	C3060	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1620	NCBA1HK-222W	CAPACITOR	0.0022μF,50V	C3061	NCB30JK-105X	CAPACITOR	1μF,6.3V
C1621	NCB21AK-105X	CAPACITOR	1μF,10V	C3062	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1622	NCBA1CK-223W	CAPACITOR	0.022μF,16V	C3063	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1623	NCBA1AK-473W	CAPACITOR	0.047μF,10V	C3501	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1624	NCB31EK-103X	CAPACITOR	0.01μF,25V	C3502	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1625	NCBA1AK-473W	CAPACITOR	0.047μF,10V	C3503	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1626	NCBA1HK-331W	CAPACITOR	330pF,50V	C3504	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C1627	NCBA1CK-822W	CAPACITOR	0.0082μF,16V	C3505	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1628	NCB21CK-224X	CAPACITOR	0.22μF,16V	C3506	NCB30JK-105X	CAPACITOR	1μF,6.3V
C1632	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C3507	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1633	NCF21CZ-684X	CAPACITOR	0.68μF,16V	C3508	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1635	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3509	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1641	NCB31AK-474X	CAPACITOR	0.47μF,10V	C3510	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1701	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3511	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1702	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3512	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2701	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C3513	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C2907	NCB30JK-105X	CAPACITOR	1μF,6.3V	C3514	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3001	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C3515	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3003	NCB30JK-105X	CAPACITOR	1μF,6.3V	C3516	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3004	NCB30JK-105X	CAPACITOR	1μF,6.3V	C3517	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3005	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C3518	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3007	NCB30JK-105X	CAPACITOR	1μF,6.3V	C3519	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3008	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C3520	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3011	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3521	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3012	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3522	NBE90JM-475X	T CAPACITOR	4.7μF,6.3V
C3013	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3523	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3014	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3524	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3015	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3525	NBE90JM-475X	T CAPACITOR	4.7μF,6.3V
C3016	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3526	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3017	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3527	NDCA1EJ-221W	CAPACITOR	220pF,25V
C3020	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3701	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C3021	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3702	NDCA1HJ-151W	CAPACITOR	150pF,50V
C3022	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3703	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3023	NDC31HJ-330X	CAPACITOR	33pF,50V	C3704	NDCA1HJ-101W	CAPACITOR	100pF,50V
C3024	NCBA1HK-102W	CAPACITOR	0.001μF,50V	C3705	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3025	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3706	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3026	NCB30JK-105X	CAPACITOR	1μF,6.3V	C3707	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C3027	NCBA1EK-472W	CAPACITOR	0.0047μF,25V	C3708	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3028	NDCA1EJ-271W	CAPACITOR	270pF,25V	C3709	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3029	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C3710	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3030	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3711	NBE90GM-226X	T CAPACITOR	22μF,4.0V
C3031	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C3712	NBE40GM-107X	T CAPACITOR	100μF,4.0V

# △ REF No.	PART No.	PART NAME, DESCRIPTION		# △ REF No.	PART No.	PART NAME, DESCRIPTION	
C4201	NBE40GM-107X	T CAPACITOR	100μF,4.0V	C5503	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4202	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5504	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4203	NCB30JK-105X	CAPACITOR	1μF,6.3V	C5505	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4204	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5506	NBE20GM-476X	T CAPACITOR	47μF,4.0V
C4205	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5507	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4206	NCB21CK-105X	CAPACITOR	1μF,16V	C5508	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4207	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5509	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4208	NCBA1HK-392W	CAPACITOR	0.0039μF,50V	C5510	NBP21VM-105X	T CAPACITOR	1μF,35V
C4209	NCB21CK-105X	CAPACITOR	1μF,16V	C5511	NBP21DM-475X	T CAPACITOR	4.7μF,20V
C4210	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5512	NBE21AM-106X	T CAPACITOR	10μF,10V
C4211	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5513	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4212	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5514	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4213	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5515	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4214	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5516	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4215	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5517	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4216	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5518	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4301	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C5519	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4303	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6001	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4304	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6002	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C4305	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C6003	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4306	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6004	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C4307	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C6005	NBP21CM-685X	T CAPACITOR	6.8μF,16V
C4308	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6006	NCF31AZ-105X	CAPACITOR	1μF,10V
C4309	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6007	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C4310	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C6008	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4311	NCB30JK-105X	CAPACITOR	1μF,6.3V	C6009	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C4312	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6101	NCB21CK-105X	CAPACITOR	1μF,16V
C4313	NBE90GM-226X	T CAPACITOR	22μF,4.0V	C6102	NCB21CK-105X	CAPACITOR	1μF,16V
C4314	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6103	NBPE1CM-106X	T CAPACITOR	10μF,16V
C4315	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C6104	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4317	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6105	NCF31AZ-105X	CAPACITOR	1μF,10V
C4318	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6106	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C4319	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6107	NCB21CK-105X	CAPACITOR	1μF,16V
C4320	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6108	NCF31AZ-105X	CAPACITOR	1μF,10V
C4321	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6109	NCBA1EK-472W	CAPACITOR	0.0047μF,25V
C4323	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6110	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4324	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C6111	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4325	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6112	NCBA1HK-272W	CAPACITOR	0.0027μF,50V
C4327	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6113	NCBA1EK-472W	CAPACITOR	0.0047μF,25V
C4328	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6114	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4329	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6115	NCBA1HK-561W	CAPACITOR	560pF,50V
C4330	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6116	NCBA1HK-561W	CAPACITOR	560pF,50V
C4331	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C6117	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C4332	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6118	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C4333	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6120	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C4334	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6121	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C4335	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6122	NDCA1HJ-101W	CAPACITOR	100pF,50V
C4336	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6123	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C4337	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6124	NCF31AZ-105X	CAPACITOR	1μF,10V
C4338	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6125	NCB21CK-105X	CAPACITOR	1μF,16V
C4339	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6126	NCB10JK-106X	CAPACITOR	10μF,6.3V
C4340	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6127	NCB21CK-105X	CAPACITOR	1μF,16V
C4341	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6128	NCB10JK-106X	CAPACITOR	10μF,6.3V
C4342	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6129	NCB21CK-105X	CAPACITOR	1μF,16V
C4343	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6130	NCB21CK-105X	CAPACITOR	1μF,16V
C4344	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6132	NCB21CK-105X	CAPACITOR	1μF,16V
C4345	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6133	NCB21AK-225X	CAPACITOR	2.2μF,10V
C4346	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6135	NCB21CK-105X	CAPACITOR	1μF,16V
C4347	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6136	NCB10JK-106X	CAPACITOR	10μF,6.3V
C4348	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6137	NCB21CK-105X	CAPACITOR	1μF,16V
C4349	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6138	NCB21CK-105X	CAPACITOR	1μF,16V
C4350	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6139	NCB21CK-105X	CAPACITOR	1μF,16V
C5501	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C6140	NCB11EK-105X	CAPACITOR	1μF,25V

# ▲ REF No.	PART No.	PART NAME, DESCRIPTION		# ▲ REF No.	PART No.	PART NAME, DESCRIPTION	
C6141	NCB11EK-105X	CAPACITOR	1μF,25V	C7838	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C6142	NCB21CK-105X	CAPACITOR	1μF,16V	C7839	NCB21CK-105X	CAPACITOR	1μF,16V
C6143	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C7841	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C6144	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8001	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C6145	NCB21CK-105X	CAPACITOR	1μF,16V	C8003	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C6147	NCB31AK-224X	CAPACITOR	0.22μF,10V	C8006	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6148	NCBA1AK-683W	CAPACITOR	0.068μF,10V	C8007	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C6149	NCB21CK-105X	CAPACITOR	1μF,16V	C8008	NCB30JK-105X	CAPACITOR	1μF,6.3V
C7401	NCB21AK-105X	CAPACITOR	1μF,10V	C8009	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C7403	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8010	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C7404	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8011	NCB30JK-105X	CAPACITOR	1μF,6.3V
C7405	NCB31HK-103X	CAPACITOR	0.01μF,50V	C8017	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C7406	NCB21CK-105X	CAPACITOR	1μF,16V	C8020	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C7407	NCB21CK-105X	CAPACITOR	1μF,16V	C8021	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7408	NCB21CK-105X	CAPACITOR	1μF,16V	C8022	NCB30JK-105X	CAPACITOR	1μF,6.3V
C7411	NCB21CK-105X	CAPACITOR	1μF,16V	C8043	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7413	NBP41DM-106X	T CAPACITOR	10μF,20V	C8044	NBE90GM-226X	T CAPACITOR	22μF,4.0V
C7414	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8045	NBE90GM-226X	T CAPACITOR	22μF,4.0V
C7415	NBE20GM-476X	T CAPACITOR	47μF,4.0V	C8046	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C7416	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8049	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7418	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8050	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7419	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8051	NBE90GM-226X	T CAPACITOR	22μF,4.0V
C7420	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8052	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7421	NDCA1HJ-300W	CAPACITOR	30pF,50V	C8054	NCB31HK-392X	CAPACITOR	0.0039μF,50V
C7422	NDCA1EJ-221W	CAPACITOR	220pF,25V	C8064	NBE90GM-226X	T CAPACITOR	22μF,4.0V
C7423	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8101	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C7424	NCBA1EK-682W	CAPACITOR	0.0068μF,25V	C8103	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7425	NBE91AM-335X	T CAPACITOR	3.3μF,10V	C8104	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7427	NBP41DM-106X	T CAPACITOR	10μF,20V	C8105	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7429	NBE21AM-106X	T CAPACITOR	10μF,10V	C8106	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7430	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8107	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7431	NBE90JM-106X	T CAPACITOR	10μF,6.3V	C8108	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7701	NCB21EK-104X	CAPACITOR	0.1μF,25V	C8109	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7702	NBP41VM-335X	T CAPACITOR	3.3μF,35V	C8110	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7802	NRSA6AJ-122W	MG RESISTOR	1.2kΩ, 1/16W	C8111	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7803	NDCA1HJ-300W	CAPACITOR	30pF,50V	C8112	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7804	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8113	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7805	NCBA1EK-682W	CAPACITOR	0.0068μF,25V	C8114	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7806	NBE91AM-335X	T CAPACITOR	3.3μF,10V	C8115	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7807	NDCA1EJ-221W	CAPACITOR	220pF,25V	C8116	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7808	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8117	NDCA1HJ-5R0W	CAPACITOR	5pF,50V
C7809	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8118	NDCA1HJ-5R0W	CAPACITOR	5pF,50V
C7810	NCB21CK-105X	CAPACITOR	1μF,16V	C8119	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7811	NCB21CK-105X	CAPACITOR	1μF,16V	C8401	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C7812	NCB21CK-105X	CAPACITOR	1μF,16V	C8402	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C7816	NCB21CK-105X	CAPACITOR	1μF,16V	C8403	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C7817	NCBA1AK-104W	CAPACITOR	0.1μF,10V	C8404	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C7818	NCBA1CK-103W	CAPACITOR	0.01μF,16V	C8408	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C7819	NBP41DM-106X	T CAPACITOR	10μF,20V	L1002	NQR0129-002X	FERRITE BEAD	
C7820	NCBA1AK-104W	CAPACITOR	0.1μF,10V	L1101	NQL402M-100X	COIL	10μH
C7821	NBE90JM-106X	T CAPACITOR	10μF,6.3V	L1401	NQR0006-001X	FERRITE BEAD	
C7822	NBE20GM-476X	T CAPACITOR	47μF,4.0V	L1601	NQL315M-1R0X	COIL	1.0μH
C7823	NCBA1AK-104W	CAPACITOR	0.1μF,10V	L2701	NQR0129-002X	FERRITE BEAD	
C7825	NCBA1AK-104W	CAPACITOR	0.1μF,10V	L3001	NQR0006-001X	FERRITE BEAD	
C7826	NCBA1AK-104W	CAPACITOR	0.1μF,10V	L3002	NQR0129-002X	FERRITE BEAD	
C7827	NCBA1AK-104W	CAPACITOR	0.1μF,10V	L3003	NQR0129-002X	FERRITE BEAD	
C7828	NBP21DM-475X	T CAPACITOR	4.7μF,20V	L3004	NQR0006-001X	FERRITE BEAD	
C7829	NCB21CK-105X	CAPACITOR	1μF,16V	L3005	NQR0129-002X	FERRITE BEAD	
C7830	NCBA1AK-104W	CAPACITOR	0.1μF,10V	L3006	NQR0006-001X	FERRITE BEAD	
C7831	NCBA1AK-104W	CAPACITOR	0.1μF,10V	L3007	NQL085J-2R2X	COIL	2.2μH
C7832	NCBA1CK-103W	CAPACITOR	0.01μF,16V	L3008	NQL085J-120X	COIL	12μH
C7833	NCB21CK-105X	CAPACITOR	1μF,16V	L3009	NQL085J-120X	COIL	12μH
C7836	NBE90JM-106X	T CAPACITOR	10μF,6.3V	L3010	NQR0383-003X	COIL	

PW	YB10328A-01	AUDIO BOARD ASSY
IC2101	AK4550VT	IC
IC2151	AK4550VT	IC
IC2201	LA74206W	IC
IC2301	BA4510FV	IC
IC4802	TA75W01FU	IC
IC4803	TA75W01FU	IC
IC4804	NJM3414AV	IC
IC4805	MM6564XFBE	IC
IC4806	TC7S08FU	IC(DIGITAL)
IC4851	UPD16879GS	IC
Q1151	RPM-22PB	PHOTO TRANSISTOR
Q2001	DTC143XE	TRANSISTOR
Q2151	UMX18N	PAIR TRANSISTOR
Q2302	2SC5658	TRANSISTOR
Q2401	2SC5658	TRANSISTOR
Q2402	2SA1774/QR/-X	TRANSISTOR
Q2403	DTC144EM	TRANSISTOR
Q2601	2SC5658	TRANSISTOR
Q2602	2SC5658	TRANSISTOR
Q2603	2SC5658	TRANSISTOR
Q2604	2SC5658	TRANSISTOR
Q2901	2SB1121/TU/-X	TRANSISTOR
	or 2SB1121/ST/-X	TRANSISTOR
Q2902	2SC5658	TRANSISTOR
Q4801	2SC4655/BC/-X	TRANSISTOR
Q4802	2SC5658	TRANSISTOR
Q4803	DTC144EM	TRANSISTOR

# ▲ REF No.	PART No.	PART NAME, DESCRIPTION	# ▲ REF No.	PART No.	PART NAME, DESCRIPTION
Q4804	DTA144EM	TRANSISTOR	R2406	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
Q4805	2SC5658	TRANSISTOR	R2414	NRSA6AJ-560W	MG RESISTOR 56Ω, 1/16W
Q4806	2SA1774/QR/-X	TRANSISTOR	R2415	NRSA6AJ-560W	MG RESISTOR 56Ω, 1/16W
Q4851	2SC5658	TRANSISTOR	R2601	NRSA6AJ-182W	MG RESISTOR 1.8kΩ, 1/16W
D2001	CL-221HR-C-X	LE DIODE	R2602	NRSA6AJ-182W	MG RESISTOR 1.8kΩ, 1/16W
D2901	EMZ6.8N	ZENER DIODE	R2603	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
D2902	EMZ6.8N	ZENER DIODE	R2604	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
D2903	EMZ6.8N	ZENER DIODE	R2605	NRSA6AJ-682W	MG RESISTOR 6.8kΩ, 1/16W
R1151	NRSA6AJ-302W	MG RESISTOR 3kΩ, 1/16W	R2606	NRSA6AJ-682W	MG RESISTOR 6.8kΩ, 1/16W
R2001	NRSA6AJ-471W	MG RESISTOR 470Ω, 1/16W	R2607	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
R2101	NRSA6AJ-471W	MG RESISTOR 470Ω, 1/16W	R2609	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
R2102	NRSA6AJ-471W	MG RESISTOR 470Ω, 1/16W	R2610	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
R2103	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R2611	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
R2104	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R2612	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
R2105	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R2613	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
R2151	NRSA6AJ-471W	MG RESISTOR 470Ω, 1/16W	R2614	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W
R2152	NRSA6AJ-471W	MG RESISTOR 470Ω, 1/16W	R2615	NRSA6AJ-123W	MG RESISTOR 12kΩ, 1/16W
R2153	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R2616	NRSA6AJ-123W	MG RESISTOR 12kΩ, 1/16W
R2154	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R2617	NRSA6AJ-333W	MG RESISTOR 33kΩ, 1/16W
R2157	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R2618	NRSA6AJ-333W	MG RESISTOR 33kΩ, 1/16W
R2158	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W	R2619	NRSA6AJ-153W	MG RESISTOR 15kΩ, 1/16W
R2159	NRSA6AJ-564W	MG RESISTOR 560kΩ, 1/16W	R2620	NRSA6AJ-153W	MG RESISTOR 15kΩ, 1/16W
R2160	NRSA6AJ-564W	MG RESISTOR 560kΩ, 1/16W	R2621	NRSA6AJ-153W	MG RESISTOR 15kΩ, 1/16W
R2161	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W	R2622	NRSA6AJ-153W	MG RESISTOR 15kΩ, 1/16W
R2162	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W	R2625	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
R2201	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W	R2626	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
R2202	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W	R2627	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
R2206	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W	R2628	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
R2209	NRSA6AJ-2R7W	MG RESISTOR 2.7Ω, 1/16W	R2903	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
R2210	NRSA6AJ-2R7W	MG RESISTOR 2.7Ω, 1/16W	R2905	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
R2211	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R2906	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
R2212	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W	R2907	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
R2213	NRSA6AJ-823W	MG RESISTOR 82kΩ, 1/16W	R2908	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
R2214	NRSA6AJ-392W	MG RESISTOR 3.9kΩ, 1/16W	R2919	NRSA6AJ-105W	MG RESISTOR 1MΩ, 1/16W
R2215	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R2920	NRSA6AJ-105W	MG RESISTOR 1MΩ, 1/16W
R2218	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W	R4804	NRSA6AJ-564W	MG RESISTOR 560kΩ, 1/16W
R2219	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W	R4805	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
R2220	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W	R4806	NRSA6AJ-683W	MG RESISTOR 68kΩ, 1/16W
R2223	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R4807	NRSA6AJ-683W	MG RESISTOR 68kΩ, 1/16W
R2224	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R4808	NRSA6AJ-243W	MG RESISTOR 24kΩ, 1/16W
R2225	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R4809	NRSA6AJ-331W	MG RESISTOR 330Ω, 1/16W
R2226	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R4810	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
R2301	NRSA6AJ-560W	MG RESISTOR 56Ω, 1/16W	R4811	NRSA6AJ-564W	MG RESISTOR 560kΩ, 1/16W
R2302	NRSA6AJ-560W	MG RESISTOR 56Ω, 1/16W	R4812	NRSA6AJ-153W	MG RESISTOR 15kΩ, 1/16W
R2303	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W	R4814	NRSA6AJ-105W	MG RESISTOR 1MΩ, 1/16W
R2305	NRSA6AJ-183W	MG RESISTOR 18kΩ, 1/16W	R4815	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
R2306	NRSA6AJ-183W	MG RESISTOR 18kΩ, 1/16W	R4816	NRSA6AJ-105W	MG RESISTOR 1MΩ, 1/16W
R2307	NRSA6AJ-183W	MG RESISTOR 18kΩ, 1/16W	R4817	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
R2308	NRSA6AJ-183W	MG RESISTOR 18kΩ, 1/16W	R4818	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
R2309	NRSA6AJ-184W	MG RESISTOR 180kΩ, 1/16W	R4819	NRSA6AJ-103W	MG RESISTOR 10kΩ, 1/16W
R2310	NRSA6AJ-184W	MG RESISTOR 180kΩ, 1/16W	R4820	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W
R2311	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W	R4821	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W
R2312	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W	R4822	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
R2313	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W	R4823	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W
R2314	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W	R4824	NRSA6AJ-472W	MG RESISTOR 4.7kΩ, 1/16W
R2325	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W	R4825	NRSA6AJ-222W	MG RESISTOR 2.2kΩ, 1/16W
R2326	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W	R4826	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
R2327	NRSA6AJ-102W	MG RESISTOR 1kΩ, 1/16W	R4828	NRSA6AJ-183W	MG RESISTOR 18kΩ, 1/16W
R2328	NRSA6AJ-682W	MG RESISTOR 6.8kΩ, 1/16W	R4829	NRSA6AJ-122W	MG RESISTOR 1.2kΩ, 1/16W
R2402	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W	R4830	NRSA6AJ-222W	MG RESISTOR 2.2kΩ, 1/16W
R2403	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W	R4831	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
R2404	NRSA6AJ-332W	MG RESISTOR 3.3kΩ, 1/16W	R4832	NRSA6AJ-333W	MG RESISTOR 33kΩ, 1/16W
R2405	NRSA6AJ-822W	MG RESISTOR 8.2kΩ, 1/16W	R4833	NRSA6AJ-104W	MG RESISTOR 100kΩ, 1/16W

#	△ REF No.	PART No.	PART NAME, DESCRIPTION		#	△ REF No.	PART No.	PART NAME, DESCRIPTION	
R4834		NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	C2308		NCB30JK-105X	CAPACITOR	1μF,6.3V
R4836		NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W	C2311		NCBA1AK-104W	CAPACITOR	0.1μF,10V
R4841		NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	C2312		NCB30JK-105X	CAPACITOR	1μF,6.3V
R4842		NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	C2402		NBLJ0JM-106X	T CAPACITOR	10μF,6.3V
R4848		NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	C2405		NBE20JM-106X	T CAPACITOR	10μF,6.3V
R4856		NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W	C2406		NBE40JM-476X	T CAPACITOR	47μF,6.3V
R4857		NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W	C2603		NCBA1AK-333W	CAPACITOR	0.033μF,10V
R4858		NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W	C2604		NCBA1AK-333W	CAPACITOR	0.033μF,10V
R4862		NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W	C2605		NCBA1CK-153W	CAPACITOR	0.015μF,16V
R4863		NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W	C2606		NCBA1CK-153W	CAPACITOR	0.015μF,16V
R4864		NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	C2607		NBEJ0JM-475X	T CAPACITOR	4.7μF,6.3V
R4865		NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	C2608		NBEJ0JM-475X	T CAPACITOR	4.7μF,6.3V
R4866		NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	C2609		NCB31CK-273X	CAPACITOR	0.027μF,16V
R4867		NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	C2610		NCB31CK-273X	CAPACITOR	0.027μF,16V
R4868		NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	C2613		NCB31CK-333X	CAPACITOR	0.033μF,16V
R4870		NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W	C2614		NCB31CK-333X	CAPACITOR	0.033μF,16V
R9901		NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	C2615		NCBA1HK-332W	CAPACITOR	0.0033μF,50V
R9902		NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W	C2616		NCBA1HK-332W	CAPACITOR	0.0033μF,50V
R9903		NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W	C2619		NCBA1HK-152W	CAPACITOR	0.0015μF,50V
R9904		NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W	C2620		NCBA1HK-152W	CAPACITOR	0.0015μF,50V
C1151		NBE90JM-106X	T CAPACITOR	10μF,6.3V	C2621		NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1152		NCB21EK-683X-R	CAPACITOR	0.068μF,25V	C2622		NCBA1CK-103W	CAPACITOR	0.01μF,16V
C2101		NCB30JK-105X	CAPACITOR	1μF,6.3V	C2623		NCB30JK-105X	CAPACITOR	1μF,6.3V
C2102		NCB30JK-105X	CAPACITOR	1μF,6.3V	C2624		NCB30JK-105X	CAPACITOR	1μF,6.3V
C2103		NCBA1HK-222W	CAPACITOR	0.0022μF,50V	C2625		NCB31CK-104X	CAPACITOR	0.1μF,16V
C2104		NCBA1HK-222W	CAPACITOR	0.0022μF,50V	C2626		NCB31CK-104X	CAPACITOR	0.1μF,16V
C2105		NBEJ0JM-475X	T CAPACITOR	4.7μF,6.3V	C2627		NBE20GM-336X	T CAPACITOR	33μF,4.0V
C2106		NCBA1AK-104W	CAPACITOR	0.1μF,10V	C2630		NCBA1CK-153W	CAPACITOR	0.015μF,16V
C2107		NCBA1AK-104W	CAPACITOR	0.1μF,10V	C2631		NCBA1CK-153W	CAPACITOR	0.015μF,16V
C2108		NBEJ0GM-106X	T CAPACITOR	10μF,4.0V	C2901		NCBA1CK-103W	CAPACITOR	0.01μF,16V
C2151		NCB30JK-105X	CAPACITOR	1μF,6.3V	C2904		NCBA1CK-103W	CAPACITOR	0.01μF,16V
C2152		NCB30JK-105X	CAPACITOR	1μF,6.3V	C4803		NBLJ0JM-106X	T CAPACITOR	10μF,6.3V
C2153		NCBA1HK-222W	CAPACITOR	0.0022μF,50V	C4804		NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C2154		NCBA1HK-222W	CAPACITOR	0.0022μF,50V	C4805		NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C2155		NBEJ0JM-475X	T CAPACITOR	4.7μF,6.3V	C4806		NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C2156		NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4808		NCB30JK-105X	CAPACITOR	1μF,6.3V
C2157		NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4809		NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C2163		NCB30JK-105X	CAPACITOR	1μF,6.3V	C4810		NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C2164		NCB30JK-105X	CAPACITOR	1μF,6.3V	C4811		NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C2201		NCB30JK-105X	CAPACITOR	1μF,6.3V	C4812		NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C2202		NCB30JK-105X	CAPACITOR	1μF,6.3V	C4813		NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C2205		NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4814		NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C2206		NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4815		NCB31HK-152X	CAPACITOR	0.0015μF,50V
C2207		NBLJ0JM-106X	T CAPACITOR	10μF,6.3V	C4819		NCF31CZ-104X	CAPACITOR	0.1μF,16V
C2208		NBLJ0JM-106X	T CAPACITOR	10μF,6.3V	C4851		NBLJ0JM-106X	T CAPACITOR	10μF,6.3V
C2210		NBEJ0JM-475X	T CAPACITOR	4.7μF,6.3V	C4852		NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C2211		NBLJ0JM-106X	T CAPACITOR	10μF,6.3V	C4853		NBLJ1AM-475X	T CAPACITOR	4.7μF,10V
C2212		NCBA1AK-104W	CAPACITOR	0.1μF,10V	C4854		NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2213		NBEE0JM-476X	T CAPACITOR	47μF,6.3V	C4855		NCB31CK-104X	CAPACITOR	0.1μF,16V
C2214		NBLJ0JM-106X	T CAPACITOR	10μF,6.3V	C4858		NDCA1HJ-680W	CAPACITOR	68pF,50V
C2215		NCB31CK-104X	CAPACITOR	0.1μF,16V	C4859		NCBA1AK-473W	CAPACITOR	0.047μF,10V
C2216		NCB31CK-104X	CAPACITOR	0.1μF,16V	C4860		NCBA1AK-473W	CAPACITOR	0.047μF,10V
C2217		NCBA1CK-103W	CAPACITOR	0.01μF,16V	C4861		NCBA1HK-102W	CAPACITOR	0.001μF,50V
C2219		NCB30JK-105X	CAPACITOR	1μF,6.3V	C4862		NCBA1HK-102W	CAPACITOR	0.001μF,50V
C2220		NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	C4864		NBLJ0JM-106X	T CAPACITOR	10μF,6.3V
C2221		NCB30JK-105X	CAPACITOR	1μF,6.3V	C4865		NCBA1AK-104W	CAPACITOR	0.1μF,10V
C2222		NCB30JK-105X	CAPACITOR	1μF,6.3V	L1151		NQR0265-001X	FERRITE BEAD	
C2301		NBLJ0JM-106X	T CAPACITOR	10μF,6.3V	L2101		NQL402M-100X	COIL	10μH
C2303		NCB30JK-105X	CAPACITOR	1μF,6.3V	L2402		NQL402M-100X	COIL	10μH
C2304		NCB30JK-105X	CAPACITOR	1μF,6.3V	L2601		NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C2305		NCB30JK-105X	CAPACITOR	1μF,6.3V	L2602		NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C2306		NCB30JK-105X	CAPACITOR	1μF,6.3V	L2603		NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C2307		NCB30JK-105X	CAPACITOR	1μF,6.3V	L2901		NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W

# 	REF No.	PART No.	PART NAME, DESCRIPTION
	L2902	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	L2903	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	L2904	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	L2905	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	L2906	NRSA6AJ-0R0W	MG RESISTOR 0Ω, 1/16W
	L2907	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	L2908	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	L2909	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	L2910	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	L2911	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	L4802	NQL302N-100X	COIL 10μH
	L4851	NQR0129-002X	FERRITE BEAD
	L4852	NQL38DK-100X	COIL 10μH
	L4853	NQL38DK-100X	COIL 10μH
	SW2001	NSW0133-001X	PUSH SWITCH,VF SW
	S9901	NSW0145-001X	TACT SWITCH,BACK LIGHT
	S9902	NSW0145-001X	TACT SWITCH,EXPOSURE
	S9903	NSW0145-001X	TACT SWITCH,FOCUS
	S9904	NSW0099-001X	SLIDE SWITCH,VIDEO/MEMORY
	CN201	QGB0405M1-C0X	CONNECTOR
	CN202	QGF0517F1-16X	FPC CONNECTOR
	CN203	QGA1001F1-04X	CONNECTOR
	CN204	QGF0517F2-20X	FPC CONNECTOR
	CN205	QGF0517F2-24X	FPC CONNECTOR
	OT1	LY43197-001A	SHEET(TARRY)
	OT2	LY30029-0P3A	SPACER(A)
	OT3	LY30029-0P8A	SPACER(A),X2
	OT4	LY43161-001A	SHEET(AU-OPPWB)
	OT5	LY30017-029A	SPACER-B,B,C,D

BOTTOM BOARD ASSEMBLY <03>

	PW1	YB10329A1-02	BOTTOM BOARD ASSY
	IC1801	RS-151-X	IC(PHOTO SENSOR)
	R1801	NRSA63J-470X	MG RESISTOR 47Ω, 1/16W
	R2801	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	R2802	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	R2803	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	R2804	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	R2805	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	R2806	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	R2807	NRSA6AJ-473W	MG RESISTOR 47kΩ, 1/16W
	B301	QAB0040-001	LI BATTERY
	C2801	NCB31HK-102X	CAPACITOR 0.001μF,50V
	C2802	NCB31HK-102X	CAPACITOR 0.001μF,50V
	L2801	NQR0251-004X	FERRITE BEAD
	L2802	NQR0251-004X	FERRITE BEAD
	L2803	NQR0251-004X	FERRITE BEAD
	J301	QNS0078-001	3.5 JACK
	CN301	QGB0404L1-50X	CONNECTOR
	CN302	LY32206-001B	MULTI.CONNECTOR
	CN303	NNZ0055-001X	SD CARD CONNECTOR
	OT1	LY30029-0N2A	SPACER(A)
	OT2	LY30029-0N5A	SPACER(A)
	OT3	LY30029-0N6A	SPACER(A)
	OT4	LY30017-023A	SPACER-B
	OT5	LY30029-0P7A	SPACER(A)
	OT6	LY30029-0L2A	SPACER(A)
	OT7	LY30029-0K4A	SPACER(A)
	SD1	LY43222-001B	S.SHEET(B.PWB)

# 	REF No.	PART No.	PART NAME, DESCRIPTION

MONITOR BOARD ASSEMBLY <04>			
	PW	YB20907A-01	MONITOR BOARD ASSY
	Q7101	UMD3N	TRANSISTOR
	Q7102	2SC4617/RS/-X	TRANSISTOR
	Q7103	XP6501	TRANSISTOR
	Q7104	XP6501	TRANSISTOR
	D7201	UDZ2.7B	ZENER DIODE
	R7101	NRSA63D-562X	MG RESISTOR 5.6kΩ, 1/16W
	R7102	NRSA63D-151X	MG RESISTOR 150Ω, 1/16W
	R7104	NRSA63D-240X	MG RESISTOR 24Ω, 1/16W
	R7105	NRSA63D-240X	MG RESISTOR 24Ω, 1/16W
	R7108	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	R7201	NRSA63J-103X	MG RESISTOR 10kΩ, 1/16W
	C7101	NCB21CK-104X	CAPACITOR 0.1μF,16V
	C7102	NCB21CK-104X	CAPACITOR 0.1μF,16V
	C7201	NCB21CK-104X	CAPACITOR 0.1μF,16V
	C7202	NCB21CK-105X	CAPACITOR 1μF,16V
	C7203	NCB21CK-105X	CAPACITOR 1μF,16V
	C7205	NBE81AM-106X	T CAPACITOR 10μF,10V
	CN401	QGF0304F1-33X	FFC/FPC CONNECTOR
	CN402	QGF0517F1-24X	FPC CONNECTOR

CCD BOARD ASSEMBLY <05>

	PW	YB20906A-01	CCD BOARD ASSY
	Q5001	2SC3931/CD/-X	TRANSISTOR
	Q5002	2SC4081/RS/-X	TRANSISTOR
	R5001	NRSA63J-472X	MG RESISTOR 4.7kΩ, 1/16W
	R5002	NRSA63J-0R0X	MG RESISTOR 0Ω, 1/16W
	R5003	NRSA63J-104X	MG RESISTOR 100kΩ, 1/16W
	R5005	NRSA63J-103X	MG RESISTOR 10kΩ, 1/16W
	C5001	NCB31CK-104X	CAPACITOR 0.1μF,16V
	C5002	NBP41DM-106X	T CAPACITOR 10μF,20V
	C5003	NCB31CK-104X	CAPACITOR 0.1μF,16V
	C5004	NBE21AM-106X	T CAPACITOR 10μF,10V
	C5005	NCB31CK-104X	CAPACITOR 0.1μF,16V
	C5006	NCB21EK-104X	CAPACITOR 0.1μF,25V
	C5007	NCB31HK-222X	CAPACITOR 0.0022μF,50V
	C5011	NCB21CK-105X	CAPACITOR 1μF,16V

EJECT BOARD ASSEMBLY <06>

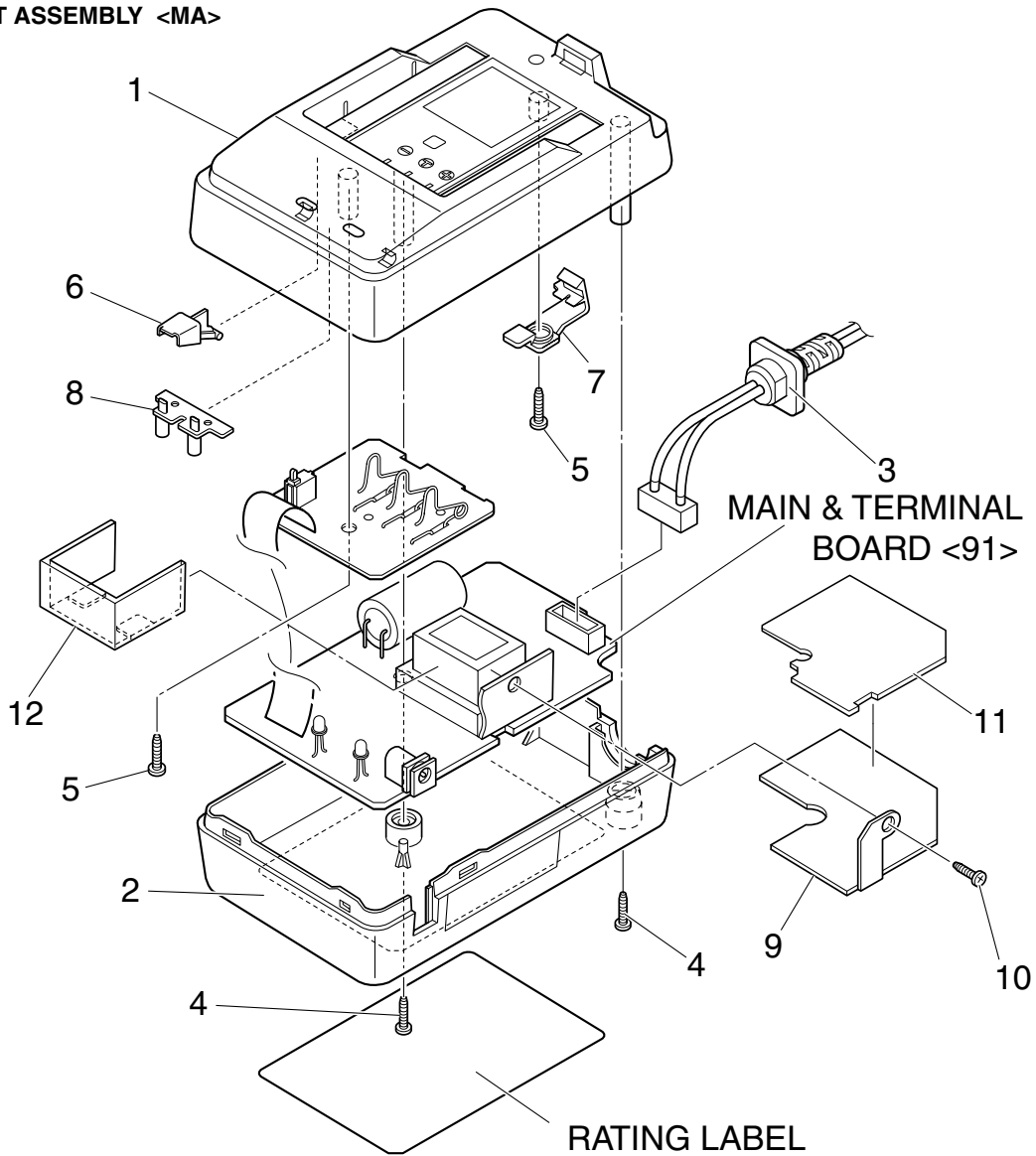
	PW2	YB10329A2	EJECT BOARD ASSY
	S1	NSW0095-001X	DETECT SWITCH,EJECT SW
	WR1	WJM0209-001B	E-SI C WIRE C-F,EJECT PWB-MAIN CN108

SECTION 6
AC POWER ADAPTER (AA-V100EG/EK)

SAFETY PRECAUTION

Parts identified by the  symbol are critical for safety. Replace only with specified part numbers.

6.1 CABINET ASSEMBLY <MA>



# 	REF No.	PART No.	PART NAME, DESCRIPTION

CABINET ASSEMBLY <MA>

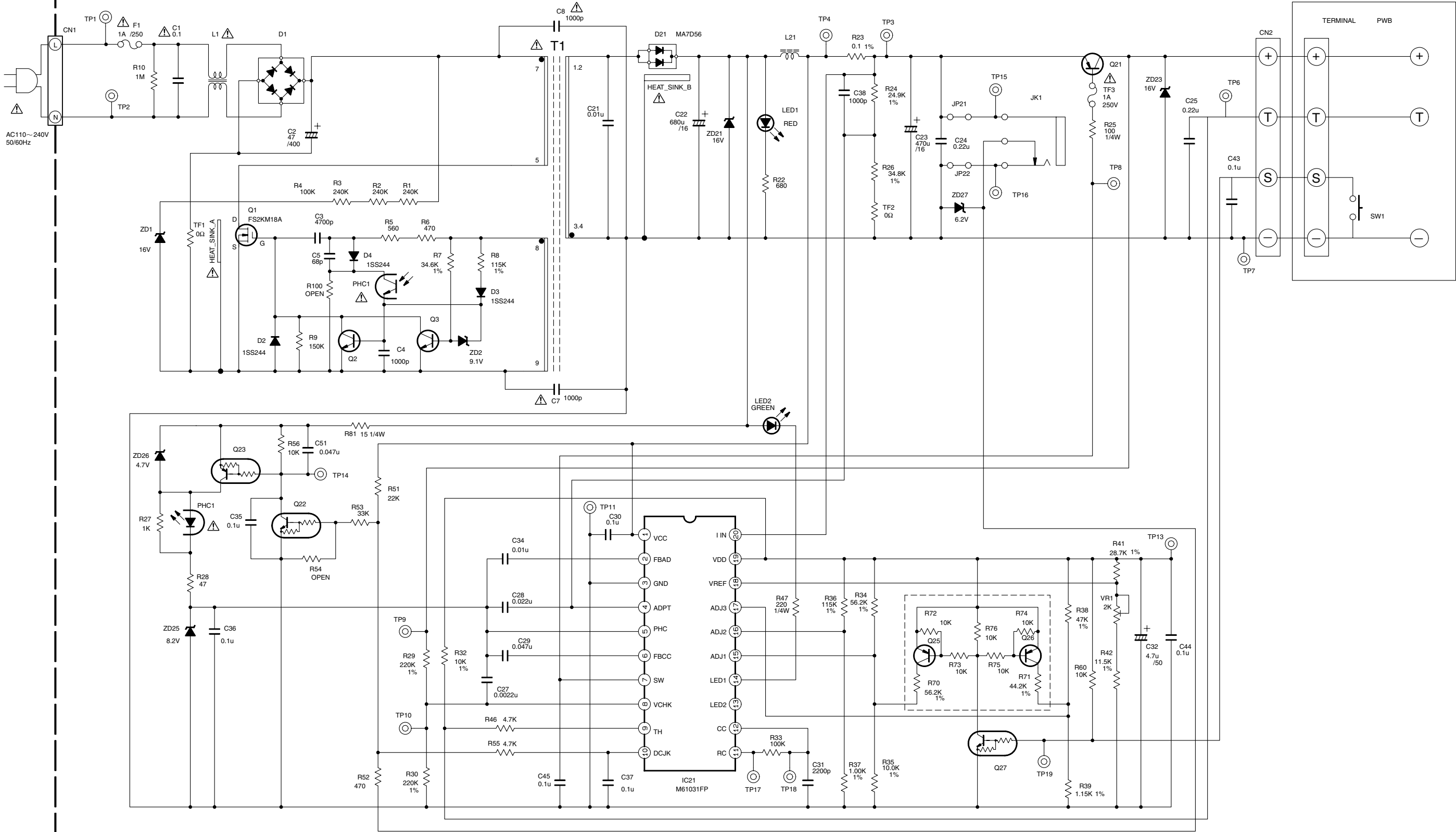
	1	LY32286-002A	UPPER CASE
	2	PTY20483-024	LOWER CASE
	3	YQ10531-006	AC POWER CORD,for EG
		PTY20080-034	AC POWER CORD,for EK
	4	YQ10531-011	TAP SCREW, X2 LOWER
	5	PTY20545-055	TAP SCREW, X2
	6	PTY20754-052	SWITCH COVER
	7	PTY20754-054	LOCK LEVER
	8	PTY20754-055	LENS
	9	PTY20483-077	INSULATOR
	10	PTY20483-079	SCREW
	11	PTY20483-076	SHIELD PLATE
	12	PTY20754-051	INSULATOR B for EG

6.2 SCHEMATIC DIAGRAM

NOTE: when ordering parts, be sure to order according to the Part Number indicated in the Parts List.

Safety precautions
The components identified by the symbol  are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

9 1 MAIN&TERMINAL



A

B

C

D

6-2

6-3

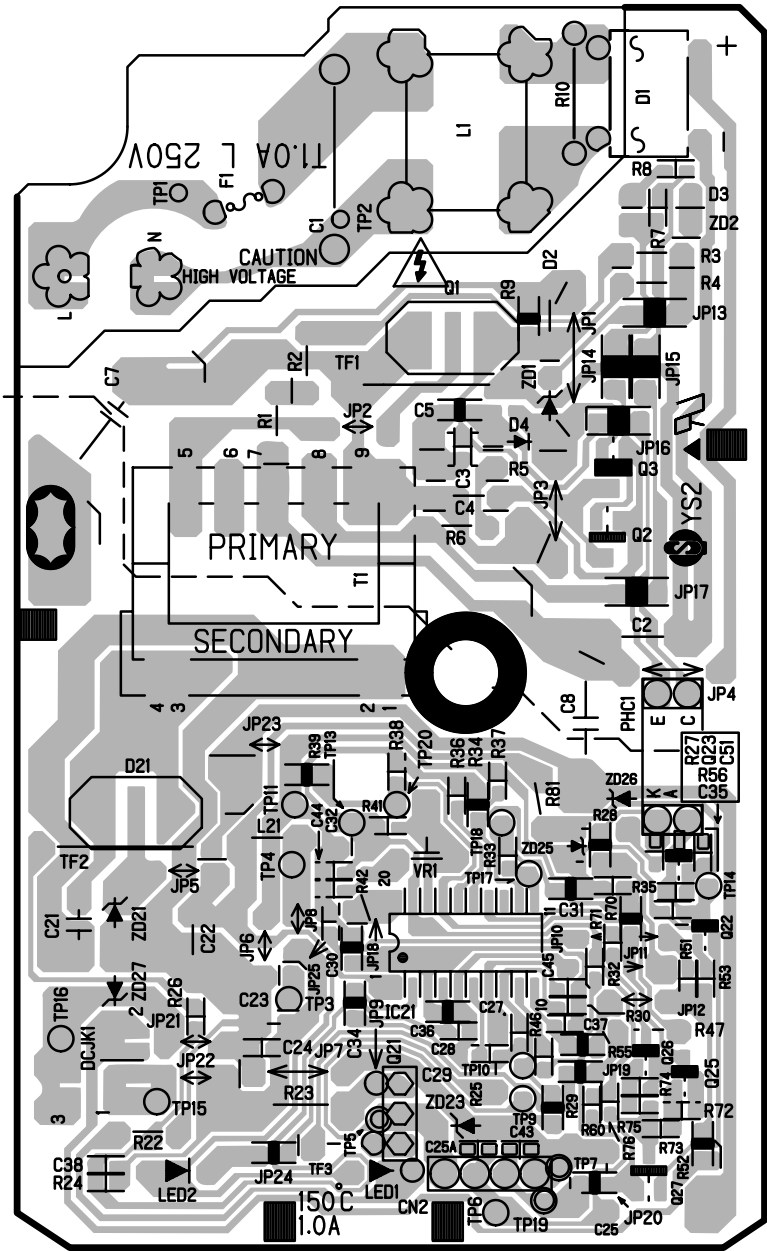
E

F

G

H

6.3 CIRCUIT BOARD



6.4 ELECTRICAL PARTS LIST

#	△	REF No.	PART No.	PART NAME, DESCRIPTION

MAIN & TERMINAL BOARD ASSEMBLY <91>				
△	PW1	PTY20754-503		MAIN & TERMINAL BOARD ASSY
	IC21	M61031FP		Charge control IC 20pin SOP
	Q1	FS2KM18A		MOS FET
	Q2	2SD2226KT146		TRANSISTER
	Q3	2SD2226KT146		TRANSISTER
	Q21	2SB1592		TRANSISTER
	Q22	DTC114YUA-X		DIG.TRANSISTOR
	Q23	DTA114YUA-X		DIG.TRANSISTOR
	Q25	2SA1576A/QR/-X		TRANSISTOR
	Q26	2SA1576A/QR/-X		TRANSISTOR
	Q27	UN2211TX		DIG.TRANSISTOR
	D1	S1WBA60		B. DIODE 600V 1A
	D2	1SS244T77		DIODE 200V 0.2A
	D3	1SS244T77		DIODE 200V 0.2A
	D4	1SS244T77		DIODE 200V 0.2A
	D21	MA7D56		DIODE 60V 10A
	ZD1	MTZJ16B-T2		ZENER DIODE 16V 500mW
	ZD2	MTZJ9.1B		ZENER DIODE 9.1V 500mW
	ZD21	MTZJ16T-77		ZENER DIODE 16V 500mW
	ZD23	MTZJ16T-77		ZENER DIODE 16V 500mW
	ZD25	MA4082N/M/-T2		ZENER DIODE 8.2V 500mW
	ZD26	MA4047NM		ZENER DIODE 4.7V 500mW
	ZD27	MTZJ6.2B-T2		ZENER DIODE 6.2V 500mW
	LED1	YQ10531-540		LED RED POWER
	LED2	YQ10531-542		LED GREEN CHARGE
	R1	QRE141J-244Y		RESISTOR 240KΩ 1/4W
	R2	QRE141J-244Y		RESISTOR 240KΩ 1/4W
	R3	QRE141J-244Y		RESISTOR 240KΩ 1/4W
	R4	QRE141J-104Y		RESISTOR 100kΩ 1/4W
	R5	QRE141J-561Y		RESISTOR 560Ω 1/4W
	R6	QRE141J-471Y		RESISTOR 470Ω 1/4W
	R7	NRSA63F-3482X		MG RESISTOR 34.8kΩ 1/16W 1%
	R8	NRSA63F-1153X		MG RESISTOR 115kΩ 1/16W 1%
	R9	NRSA63J-154X		MG RESISTOR 150kΩ 1/16W
	R10	QRE141J-105Y		RESISTOR 1MΩ 1/4W
	R22	QRE141J-681Y		RESISTOR 680Ω 1/4W
	R23	QRZ0192-R10X		MF RESISTOR 0.1Ω 1W 2%
	R24	NRSA63F-2492X		MG RESISTOR 24.9kΩ 1/16W 1%
	R25	QRE141J-101Y		RESISTOR 100Ω 1/4W
	R26	NRSA63F-3482X		MG RESISTOR 34.8kΩ 1/16W 1%
	R27	NRSA63J-102X		MG RESISTOR 1kΩ 1/16W
	R28	NRSA63J-470X		MG RESISTOR 47Ω 1/16W
	R29	PTY20754-511		MG RESISTOR 220kΩ 1/16W 1%
	R30	PTY20754-511		MG RESISTOR 220kΩ 1/16W 1%
	R32	PTY20754-512		MG RESISTOR 10kΩ 1/16W 1%
	R33	NRSA63J-104X		MG RESISTOR 100kΩ 1/16W
	R34	NRSA63F-5622X		MG RESISTOR 56.2kΩ 1/16W 1%
	R35	PTY20754-512		MG RESISTOR 10kΩ 1/16W 1%
	R36	NRSA63F-1153X		MG RESISTOR 115kΩ 1/16W 1%
	R37	PTY20754-513		MG RESISTOR 1.00kΩ 1/16W 1%
	R38	PTY20754-514		MG RESISTOR 47kΩ 1/16W 1%
	R39	NRSA63F-1151X		MG RESISTOR 1.15kΩ 1/16W 1%
	R41	NRSA63F-2872X		MG RESISTOR 28.7kΩ 1/16W 1%
	R42	NRSA63F-1152X		MG RESISTOR 11.5kΩ 1/16W 1%
	R46	NRSA63J-472X		MG RESISTOR 4.7kΩ 1/16W

#	△	REF No.	PART No.	PART NAME, DESCRIPTION
		R47	QRE141J-221Y	RESISTOR 220Ω 1/4W
		R51	NRSA63J-223X	MG RESISTOR 22kΩ 1/16W
		R52	NRSA63J-471X	MG RESISTOR 470Ω 1/16W
		R53	NRSA63J-333X	MG RESISTOR 33kΩ 1/16W
		R55	NRSA63J-473X	MG RESISTOR 47kΩ 1/16W
		R56	NRSA63J-103X	MG RESISTOR 10kΩ 1/16W
		R60	NRSA63J-103X	MG RESISTOR 10kΩ 1/16W
		R70	NRSA63F-5622X	MG RESISTOR 56.2kΩ 1/16W 1%
		R71	NRSA63F-4422X	MG RESISTOR 44.2kΩ 1/16W 1%
		R72	NRSA63J-103X	MG RESISTOR 10kΩ 1/16W
		R73	NRSA63J-103X	MG RESISTOR 10kΩ 1/16W
		R74	NRSA63J-103X	MG RESISTOR 10kΩ 1/16W
		R75	NRSA63J-103X	MG RESISTOR 10kΩ 1/16W
		R76	NRSA63J-103X	MG RESISTOR 10kΩ 1/16W
		R81	QRE141J-150Y	RESISTOR 15Ω 1/4W
△	C1	QFZ9072-104		F CAPACITOR 0.1μF 275V
	C2	YQ10626-402		E CAPACITOR 47μF 400V
	C3	NCB31HK-472X		CAPACITOR 4700pF 50V
	C4	PTY20754-521		F CAPACITOR 1000pF 50V
	C5	NDC31HJ-680X		CAPACITOR 68pF 50V
△	C7	YQ10531-514		CAPACITOR 1000pF 250V
△	C8	YQ10531-514		CAPACITOR 1000pF 250V
	C21	PTY10067-657		CAPACITOR 0.01μF 250V
	C22	PTY20292-321		E CAPACITOR 680μF 16V
	C23	QETL1CM-477		E CAPACITOR 470μF 16V
	C24	PTY20754-522		CAPACITOR 0.22μF 16V
	C25	QLA11HJ-224		F CAPACITOR 0.22μF 50V
	C27	NCB31HK-222X		CAPACITOR 0.0022μF 50V
	C28	NCB31EK-223X		CAPACITOR 0.022μF 25V
	C29	PTY20754-523		CAPACITOR 0.047μF 25V
	C30	PTY20754-524		CAPACITOR 0.1μF 50V
	C31	NCB31HK-222X		CAPACITOR 0.0022μF 50V
	C32	QEHA1HM-475		E CAPACITOR 4.7μF 50V
	C34	PTY20754-525		CAPACITOR 0.01μF 50V
	C35	PTY20754-526		CAPACITOR 0.1μF 16V
	C36	PTY20754-526		CAPACITOR 0.1μF 16V
	C37	PTY20754-524		CAPACITOR 0.1μF 50V
	C38	NCB31HK-102X		CAPACITOR 0.001μF 50V
	C43	PTY20754-524		CAPACITOR 0.1μF 25V
	C44	PTY20754-524		CAPACITOR 0.1μF 25V
	C45	PTY20754-524		CAPACITOR 0.1μF 25V
	C51	PTY20754-523		CAPACITOR 0.047μF 25V
△	L1	PTY20450-401		LINE FILTER
	L21	PTY10067-703		COIL
△	PHC1	PC123YS		PHOTO COUPLER
△	T1	PTY20754-531		SW TRANS
	VR1	PTY20483-101		VOLUME 2kΩ
	JK1	YQ21032-301		DC JACK
△	F1	PTY20450-041		FUSE 1A 250V
△	TF3	PTY20754-531		THERMAL FUSE 150° 250V 1A
△	HS1	PTY20483-071		HEAT SINK A
△	HS2	PTY20591-072		HEAT SINK B
	CN1	PTY20603-056		CONNECTOR
	OT1	PTY10067-551		TAP SCREW,X2(HEAT SINK)
	SW1	PTY20545-662		SWITCH
	WR1	PTY20591-052		FLAT CABLE(4P)
	TB1	PTY20754-053		BATTERY TERMINAL,X3